Pages 2 and 3 will help in locating the figure number on which the particular part desired will be found.

All assemblies are identified by an alphabetical character enclosed in a circle. The component parts of the assembly are indicated by a reference no. When an assembly is listed, for example B, all parts that are listed between B and C are component parts of B. A listing of reference numbers and alphabetical characters accompany each illustration. For ordering purposes, part numbers and descriptions are listed opposite each alphabetical characters.

Data Processing Division
112 E. Post Road, White Plains, N. Y.

acter or reference number.

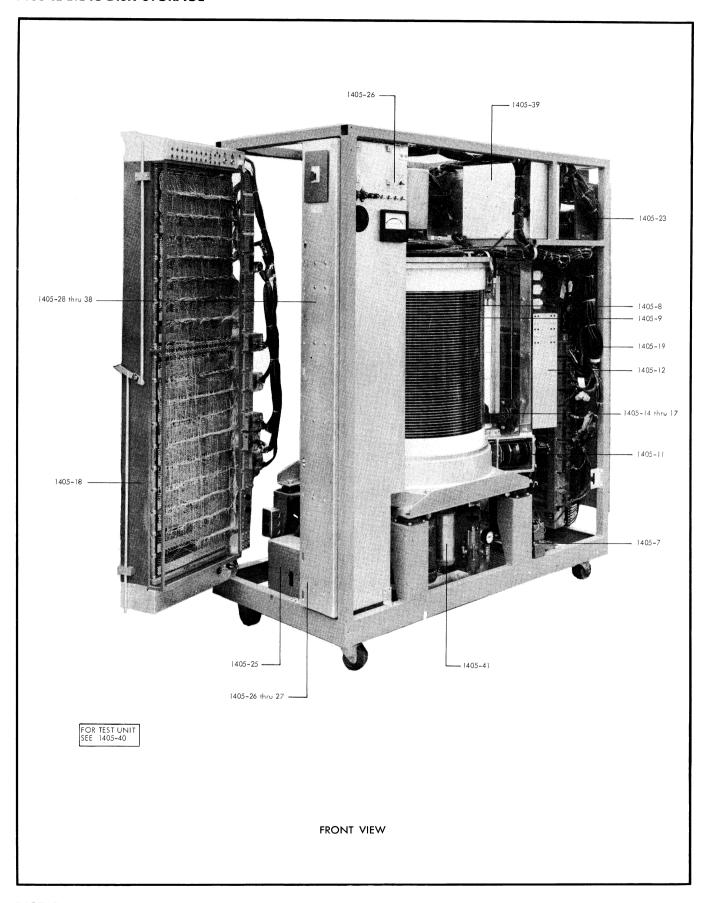
1405 RAMAC Disk Storage



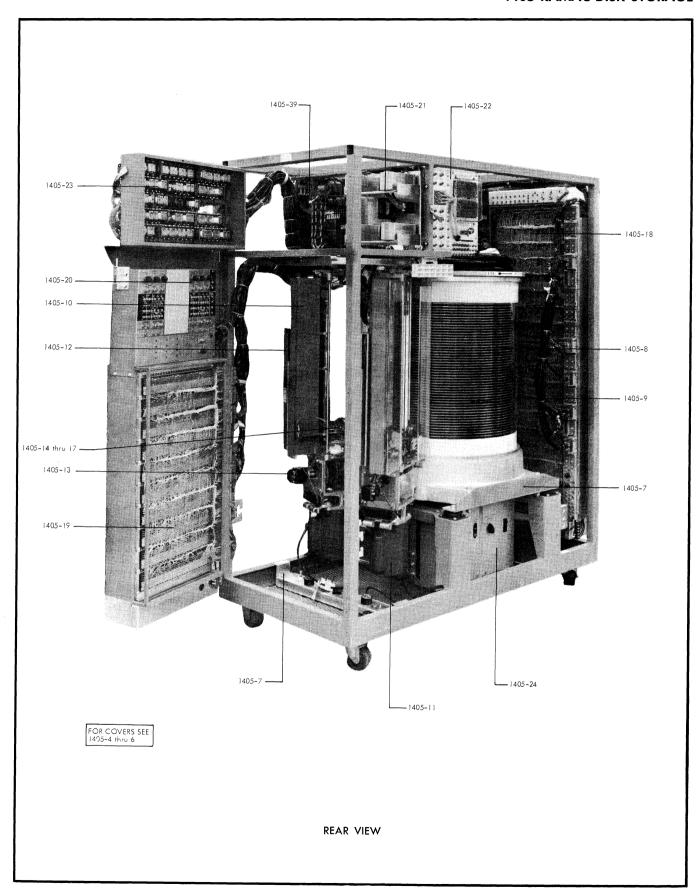
TABLE OF CONTENTS

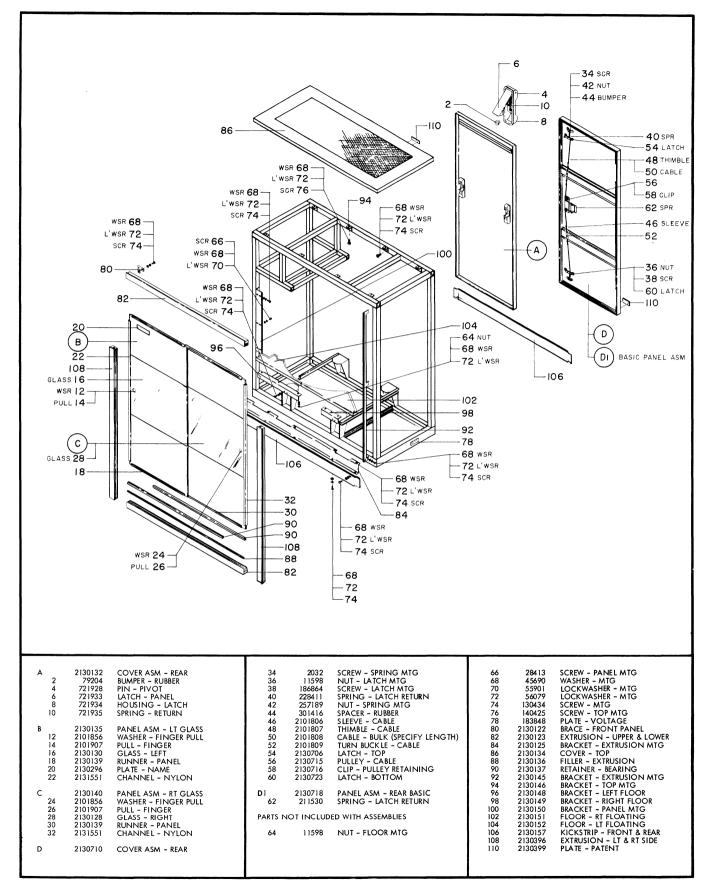
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              PHOTO - REAR VIEW
1405-4
              COVERS - VIEW 1
1405-5
              COVERS - VIEW 2
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              CAPACITORS
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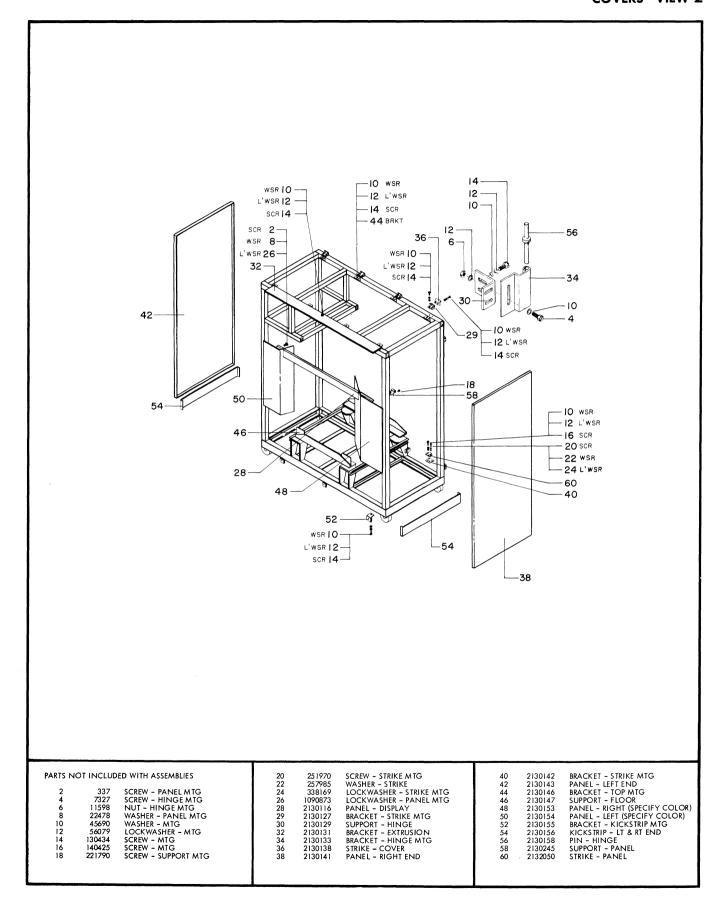
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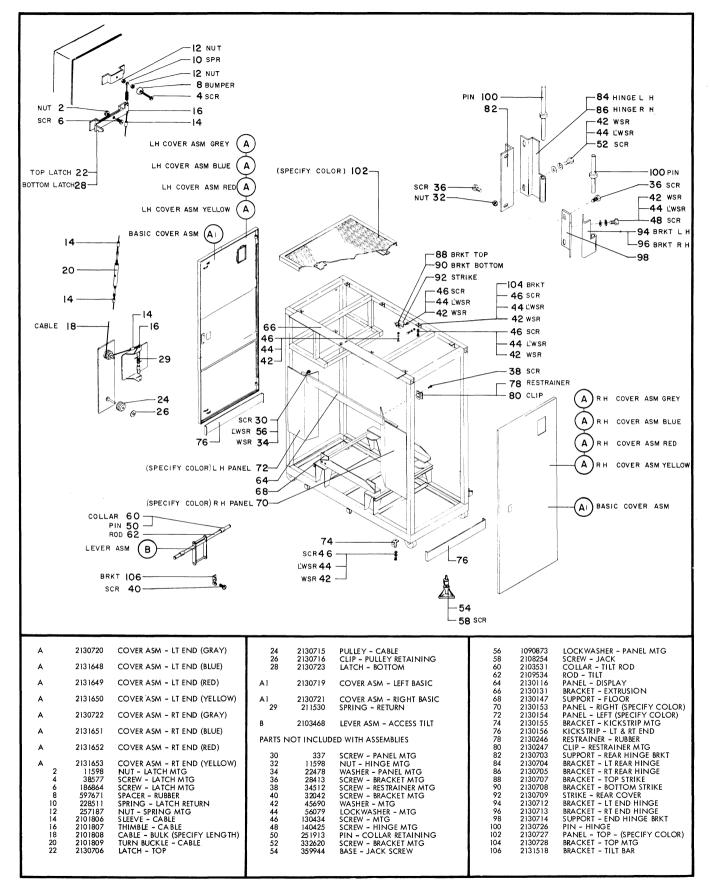
1405 RAMAC DISK STORAGE

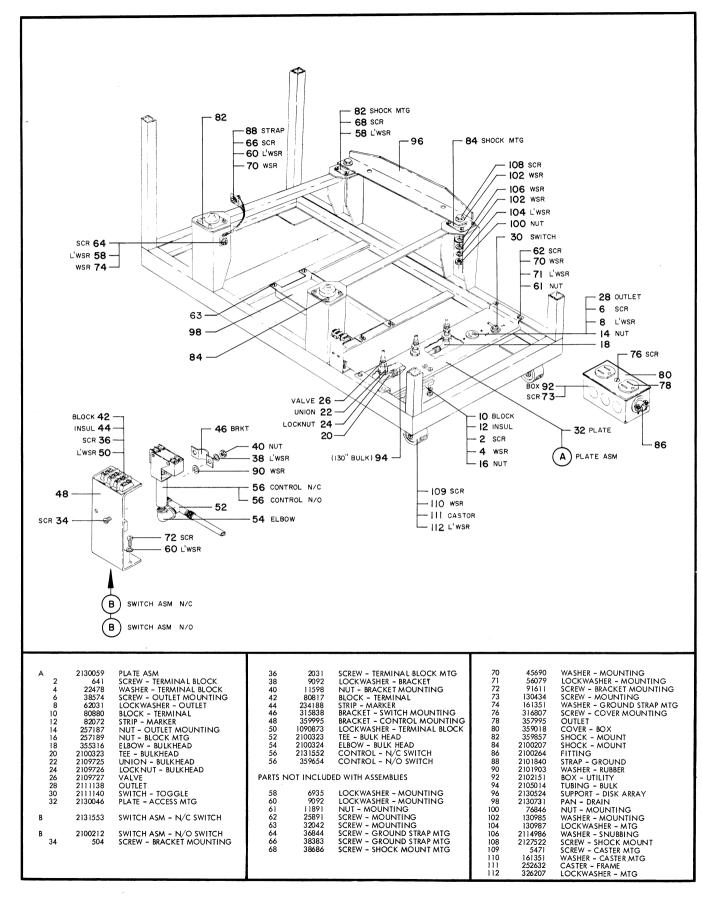




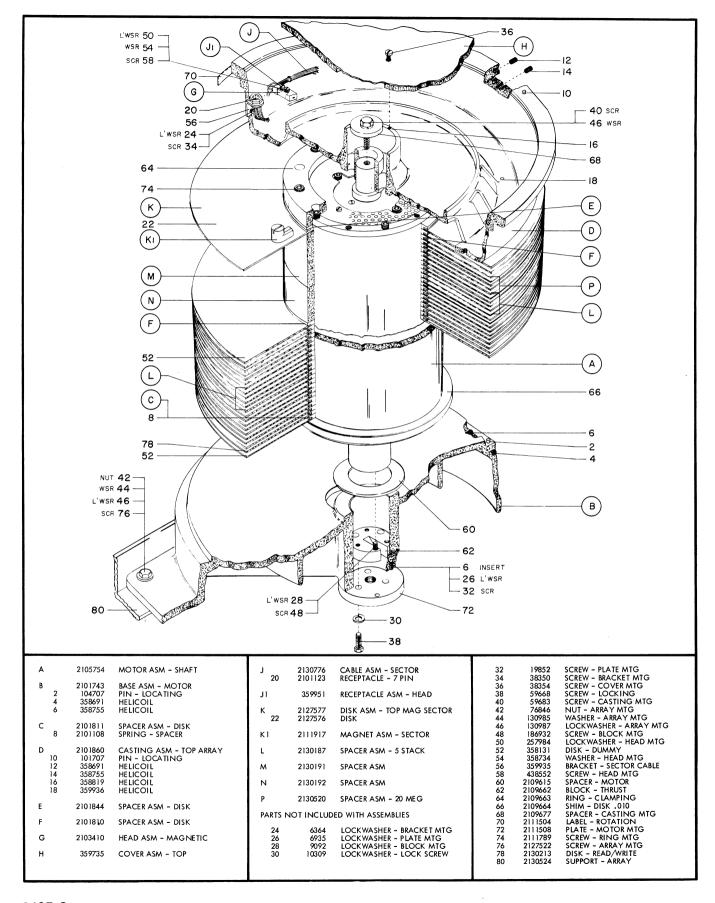


COVERS—VIEW 3

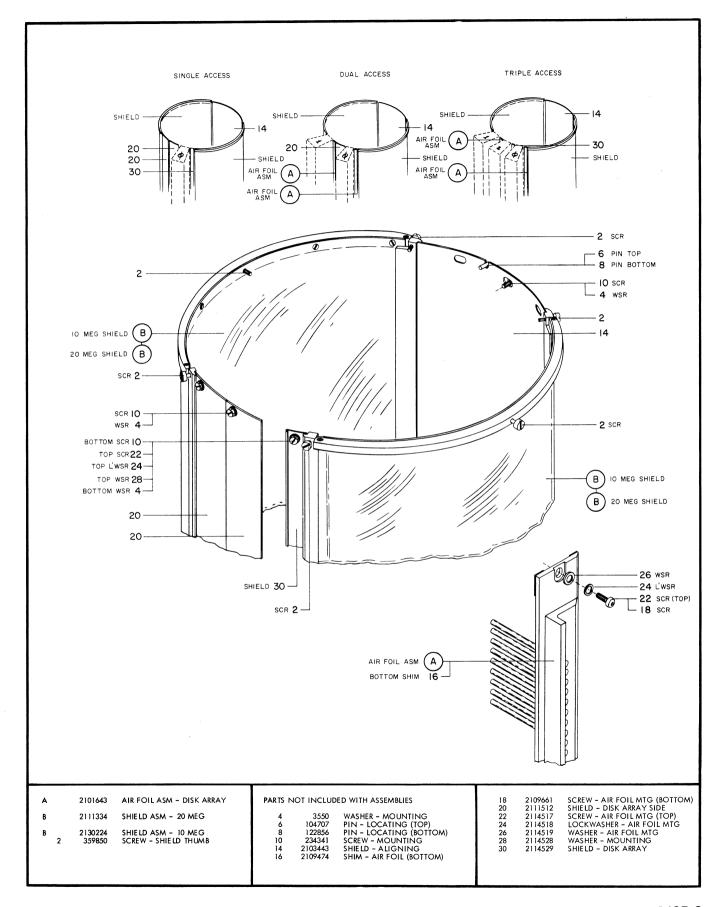


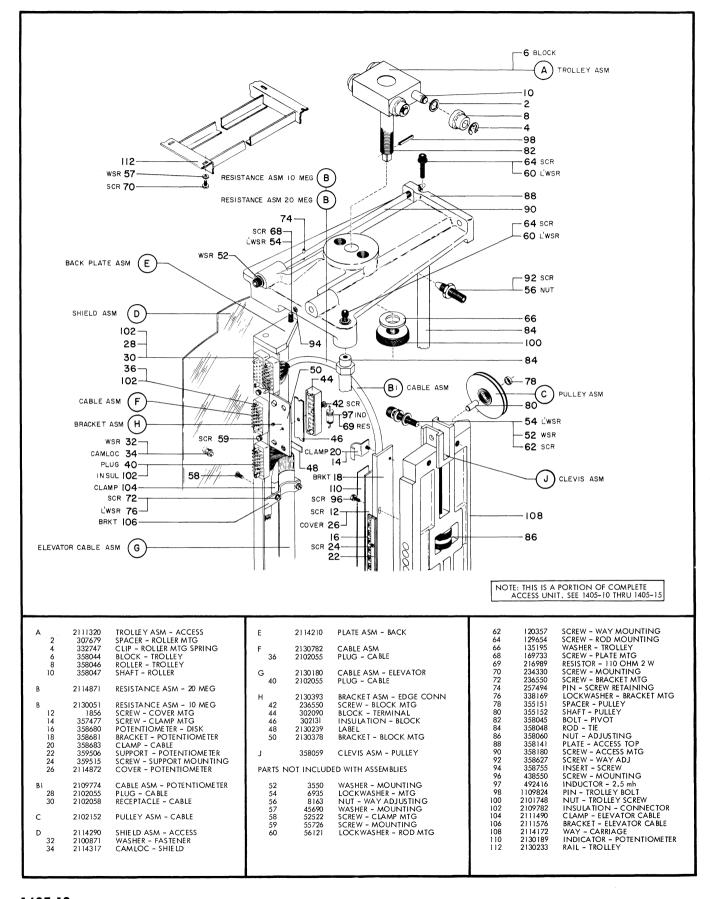


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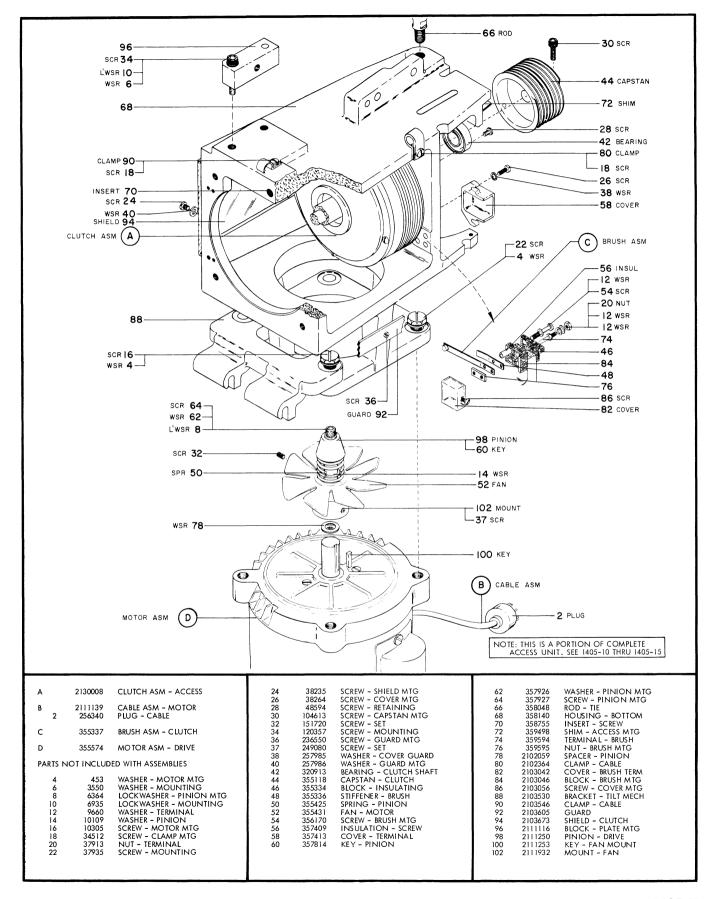


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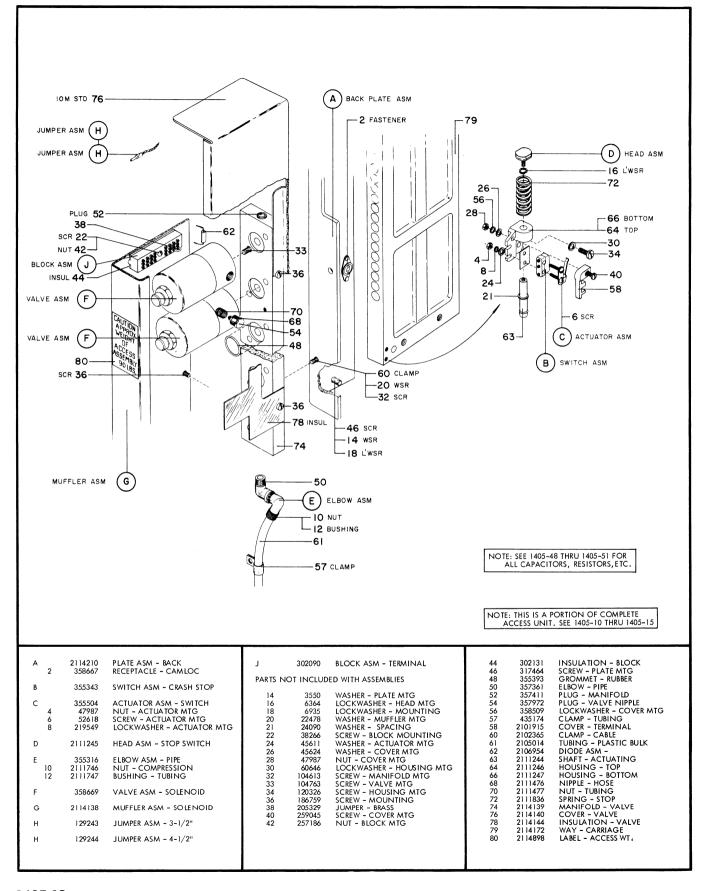




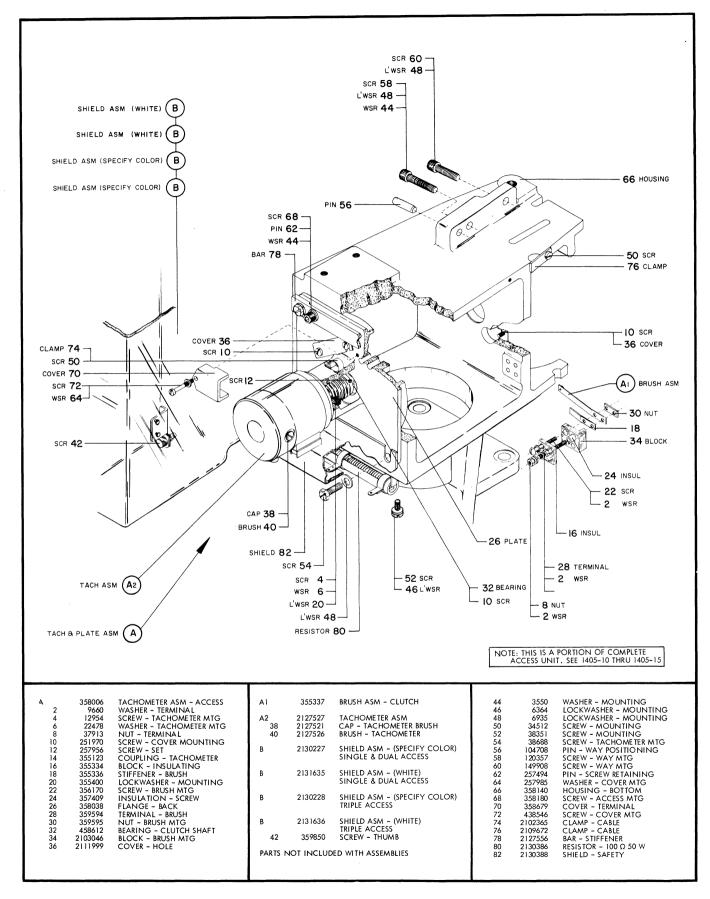
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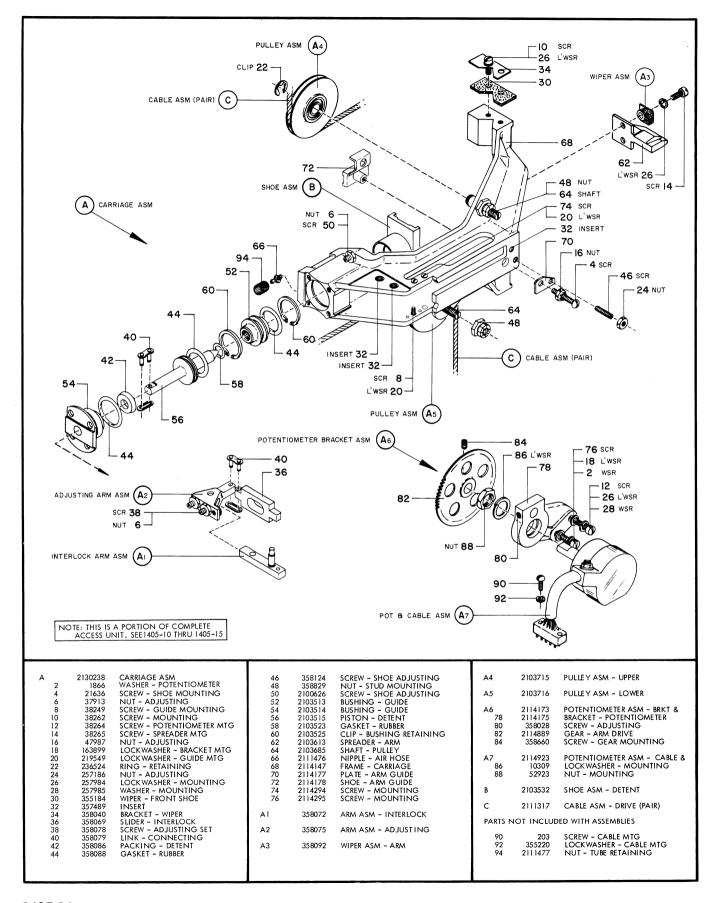
SOLENOID AND CRASH STOP



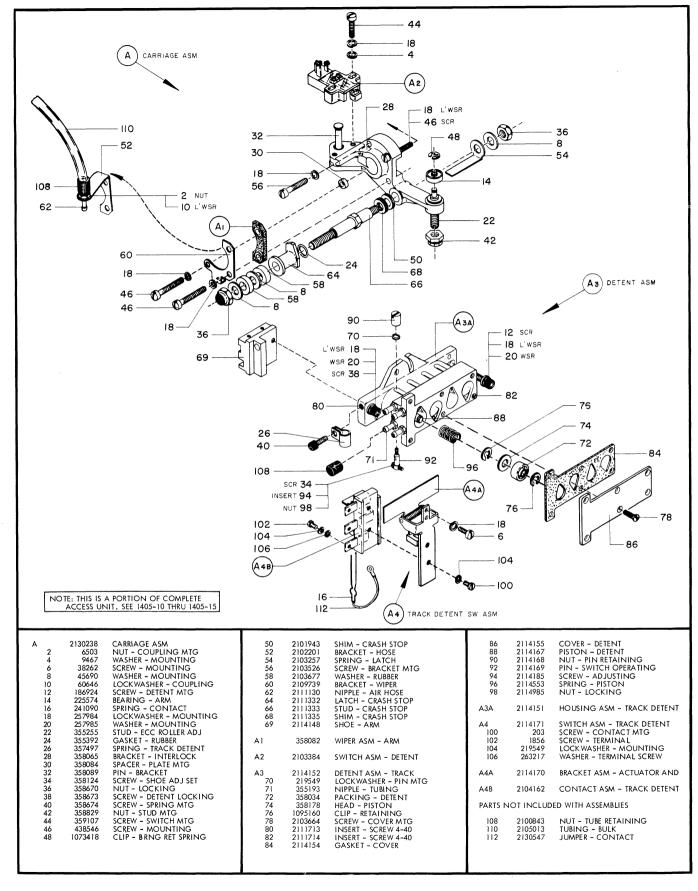
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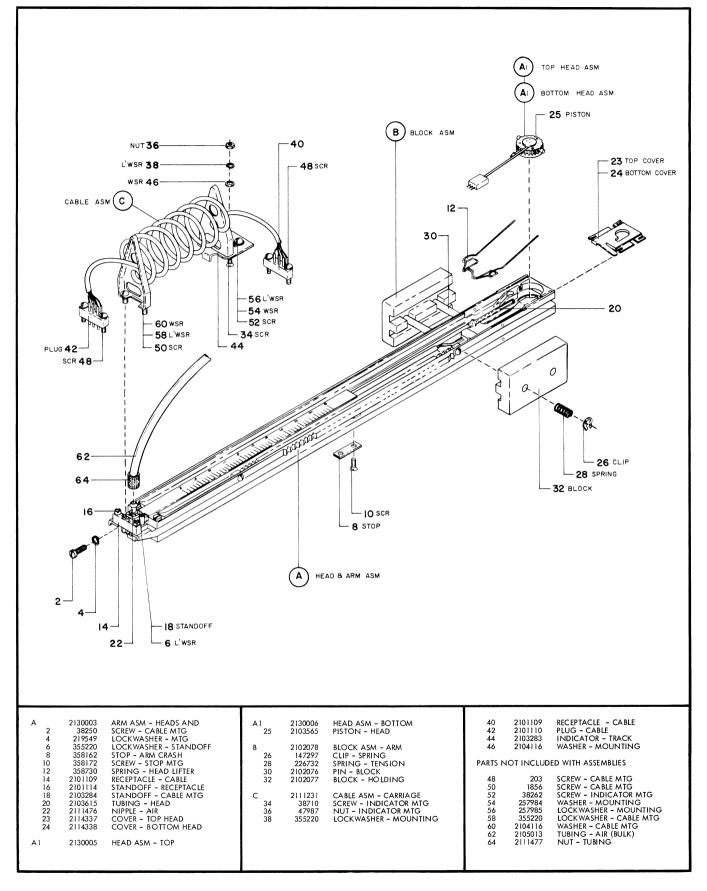
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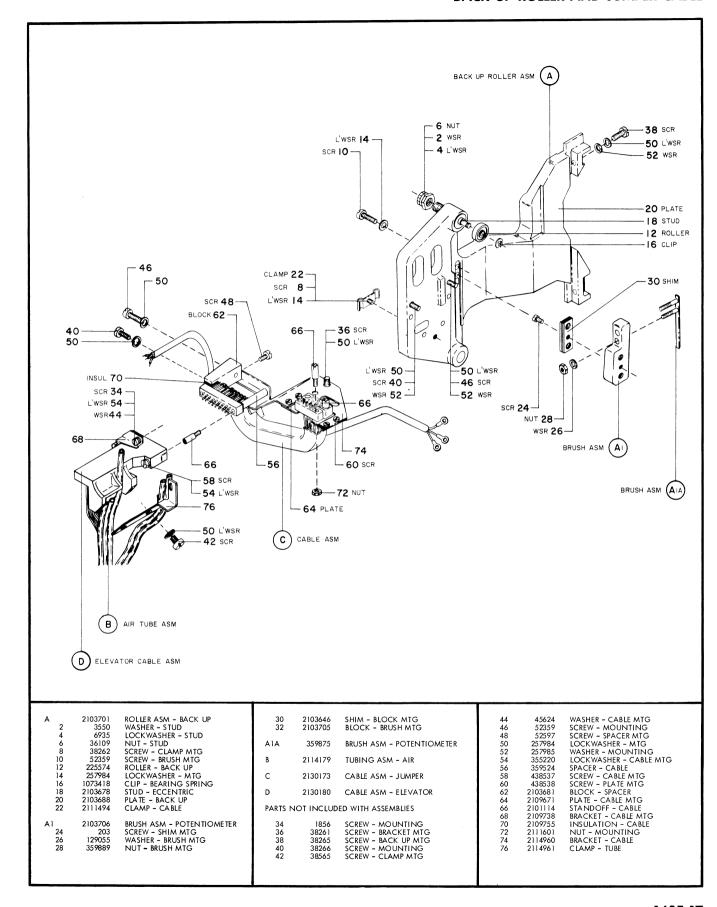
CARRIAGE—VIEW 2



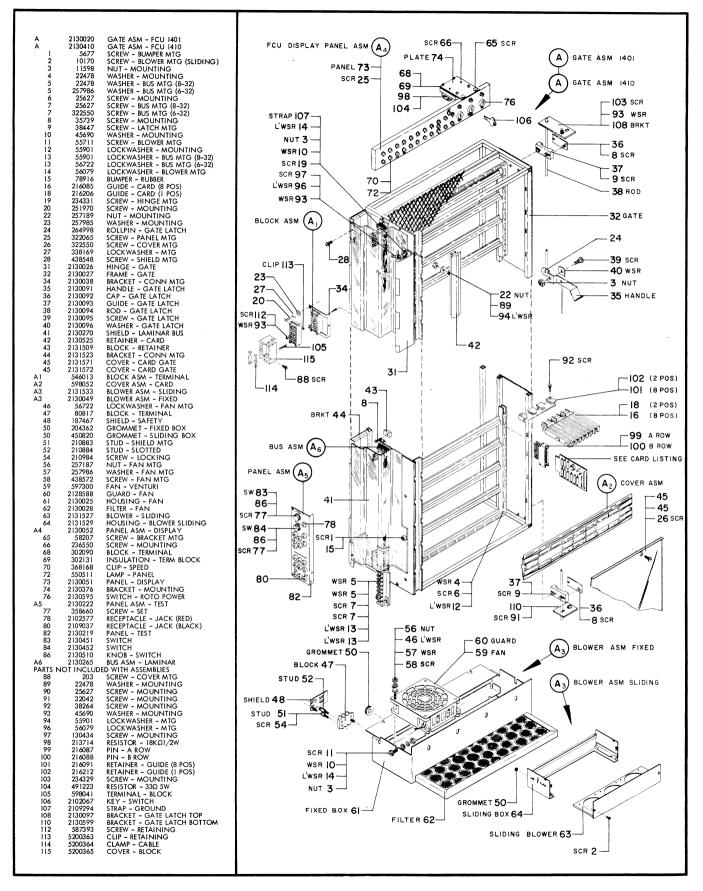
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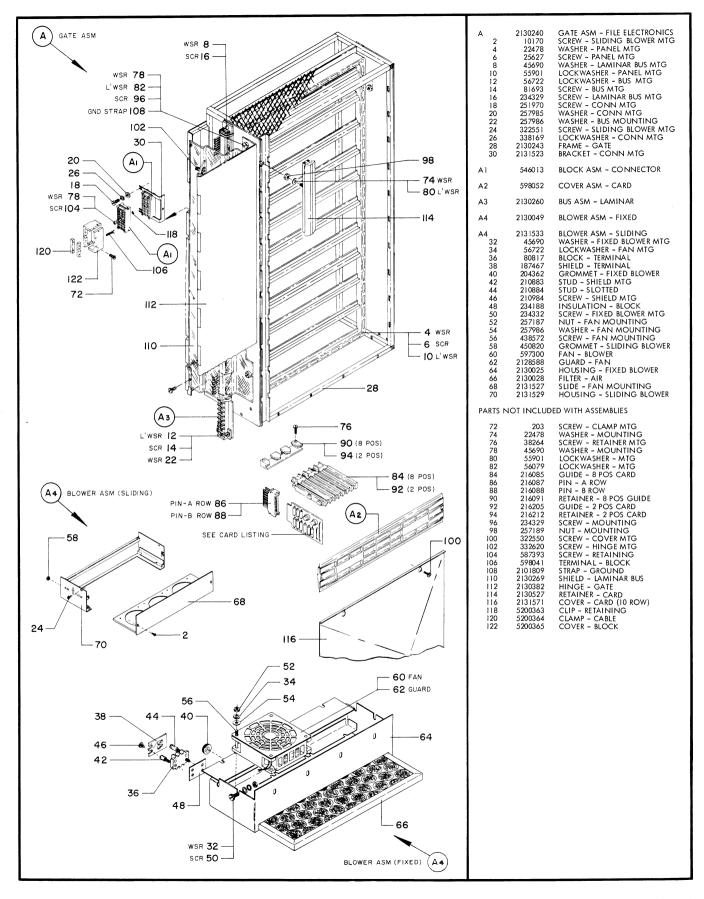
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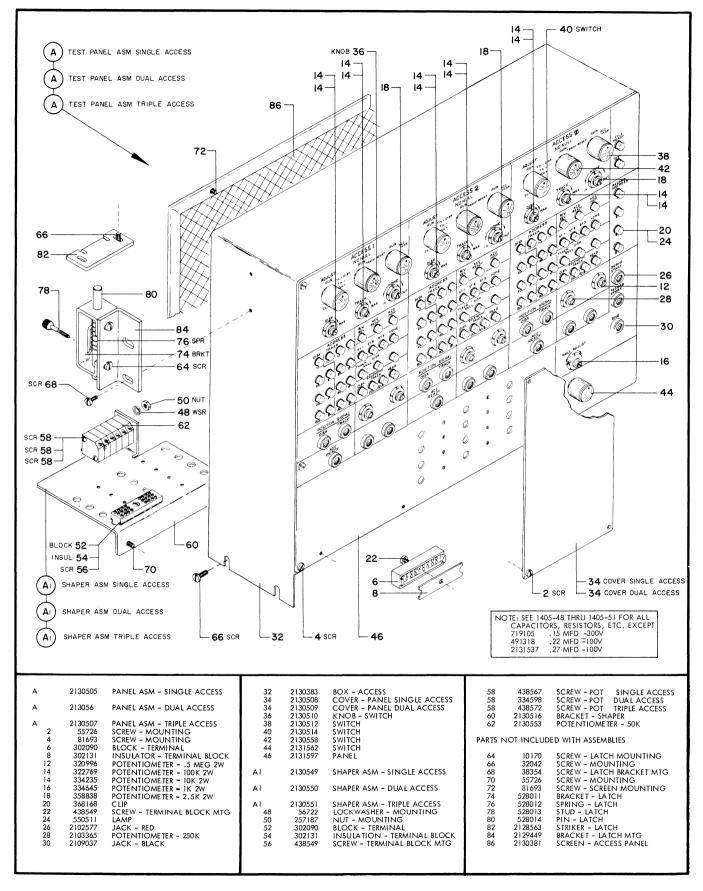
CONTROL UNIT GATE



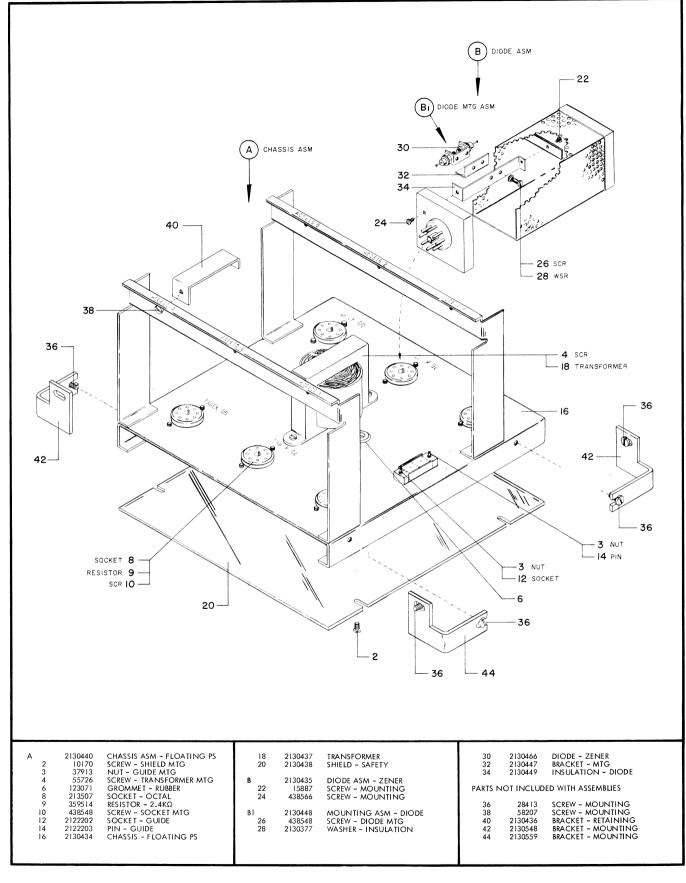
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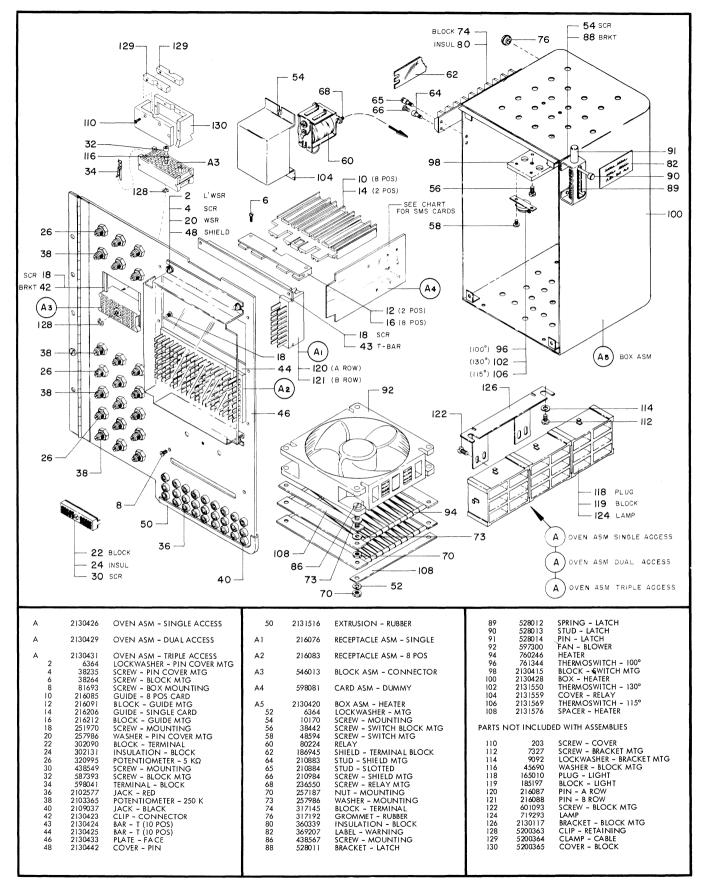
CE PANEL



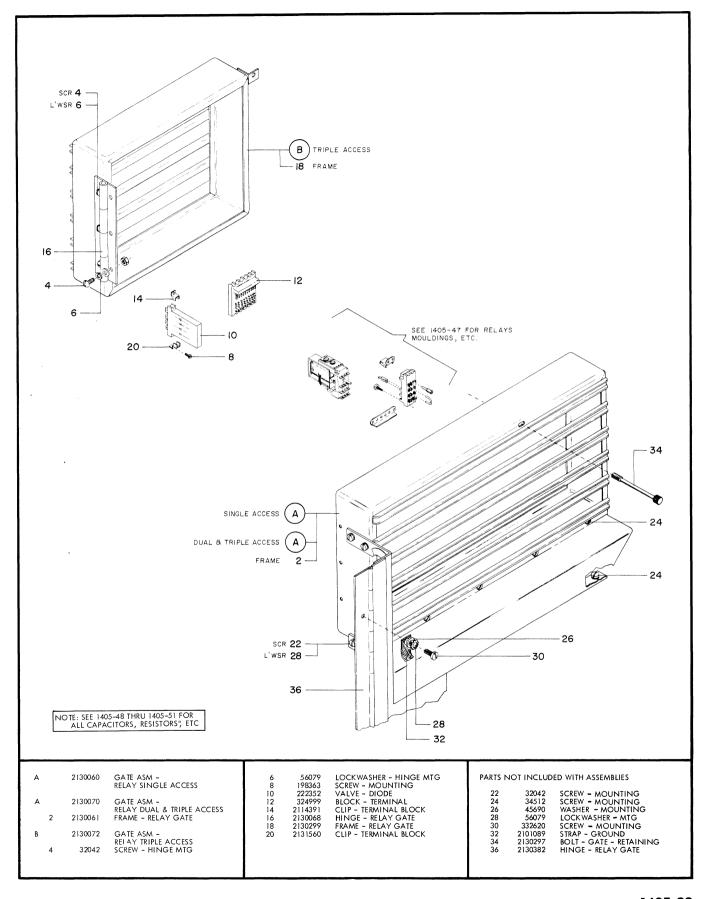
FLOATING POWER SUPPLY



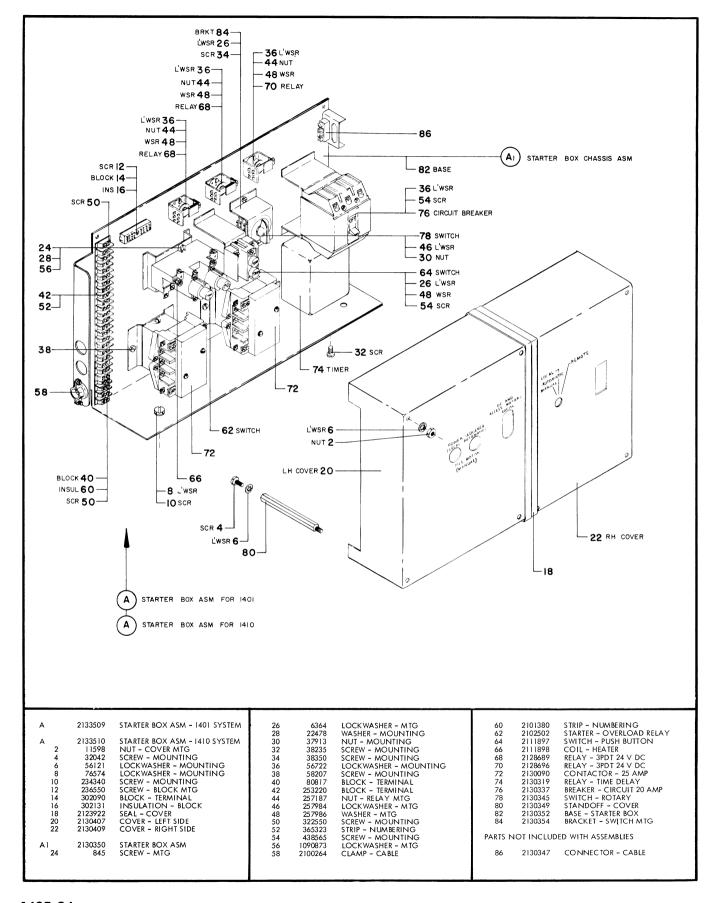
HEATER GATE

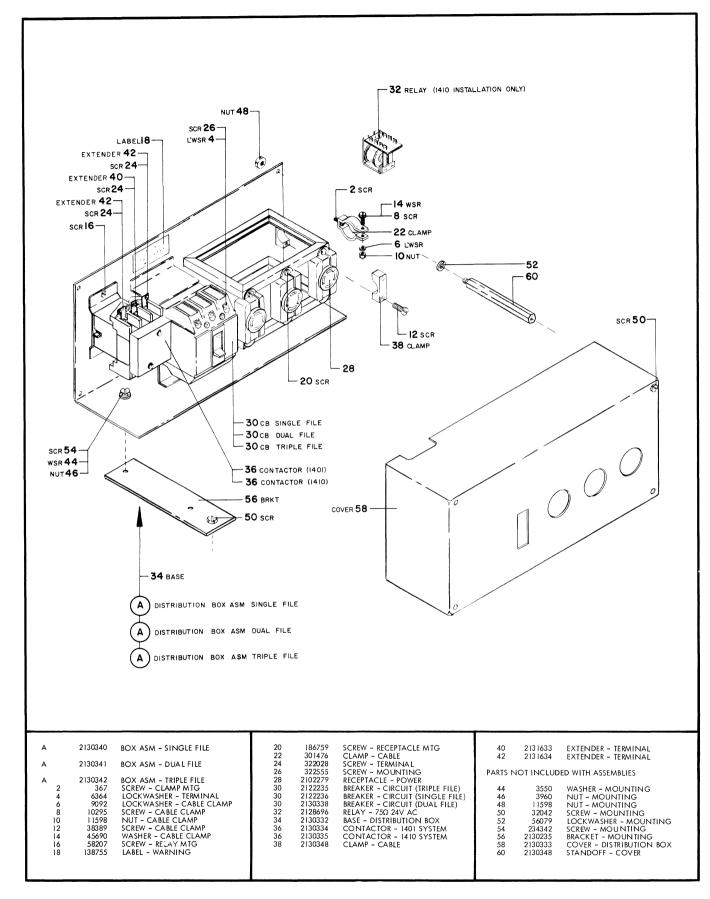


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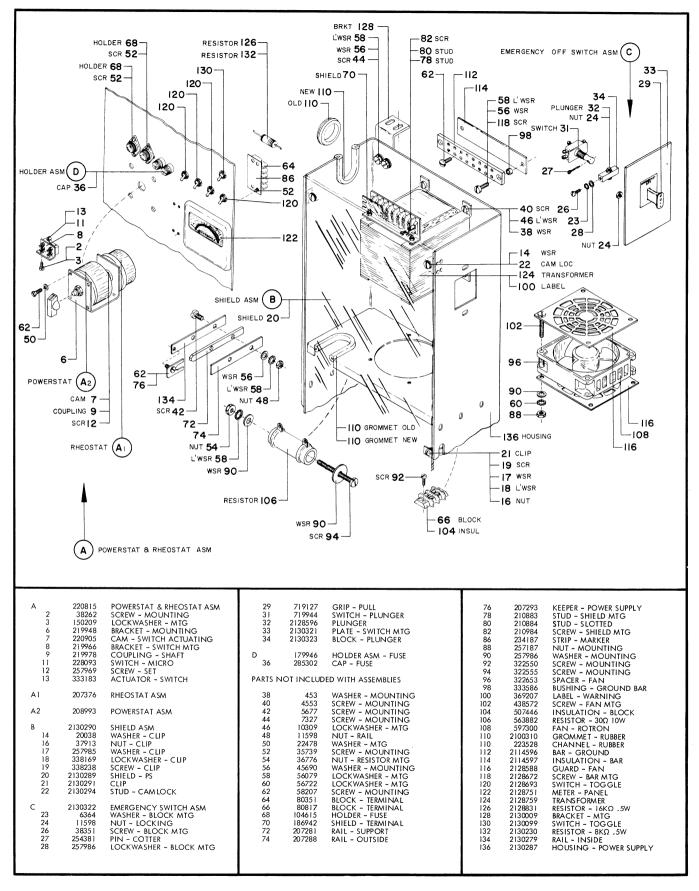


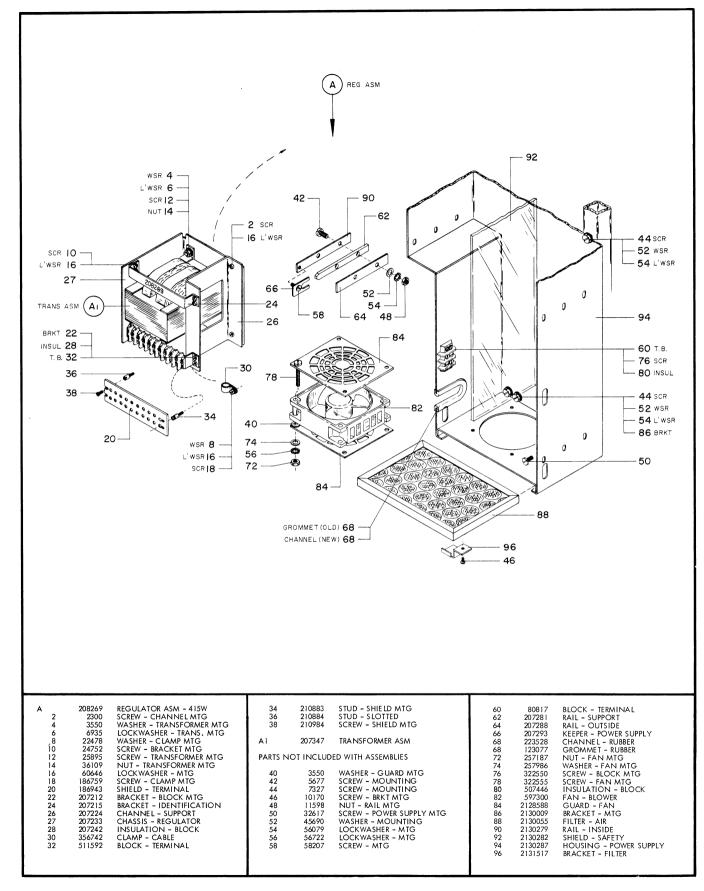
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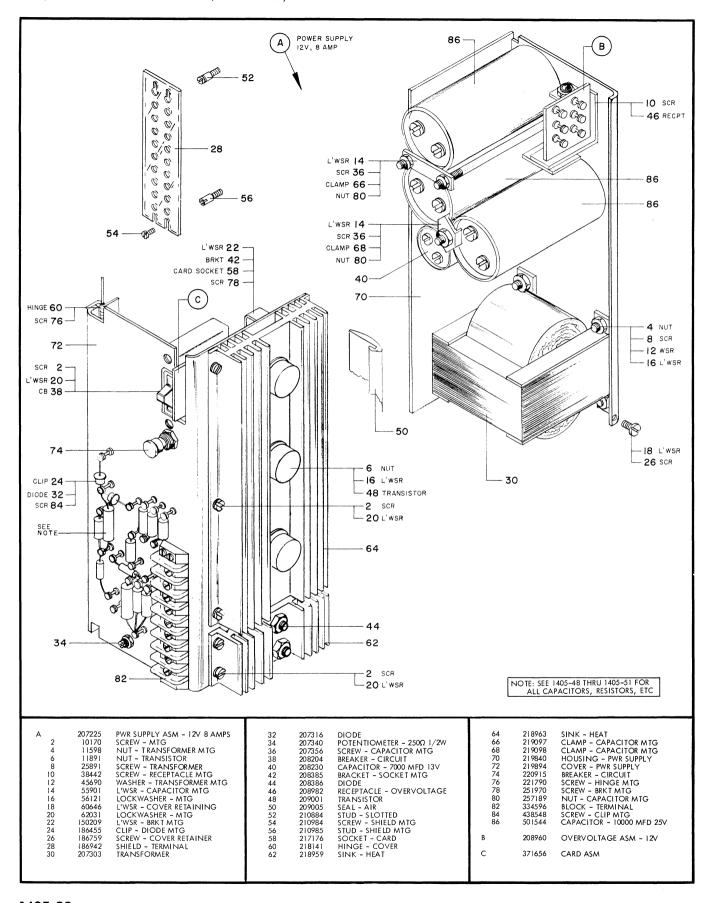


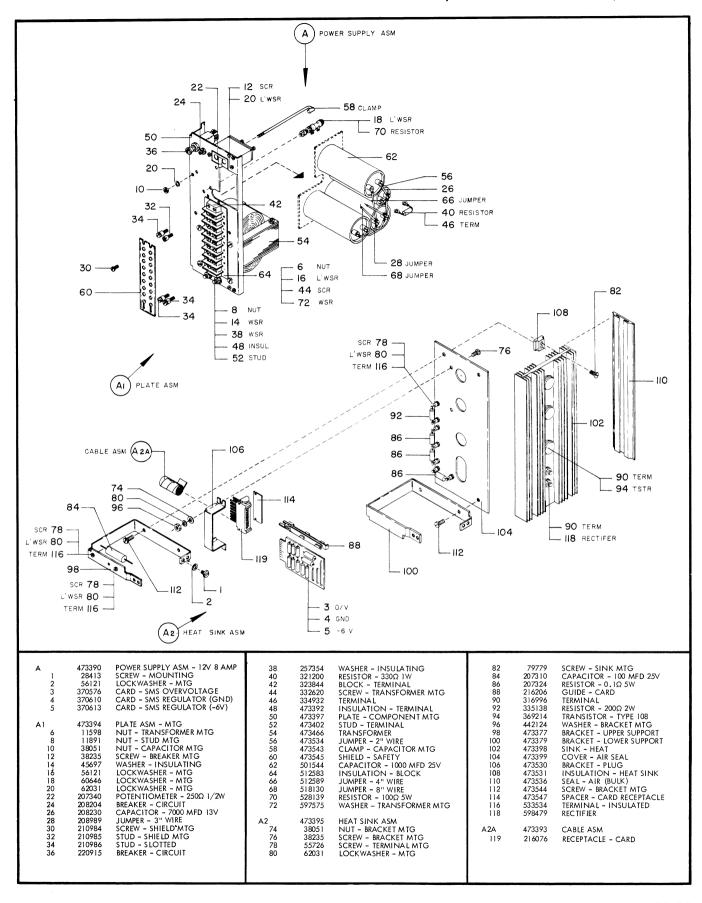
POWER PANEL—VIEW 1



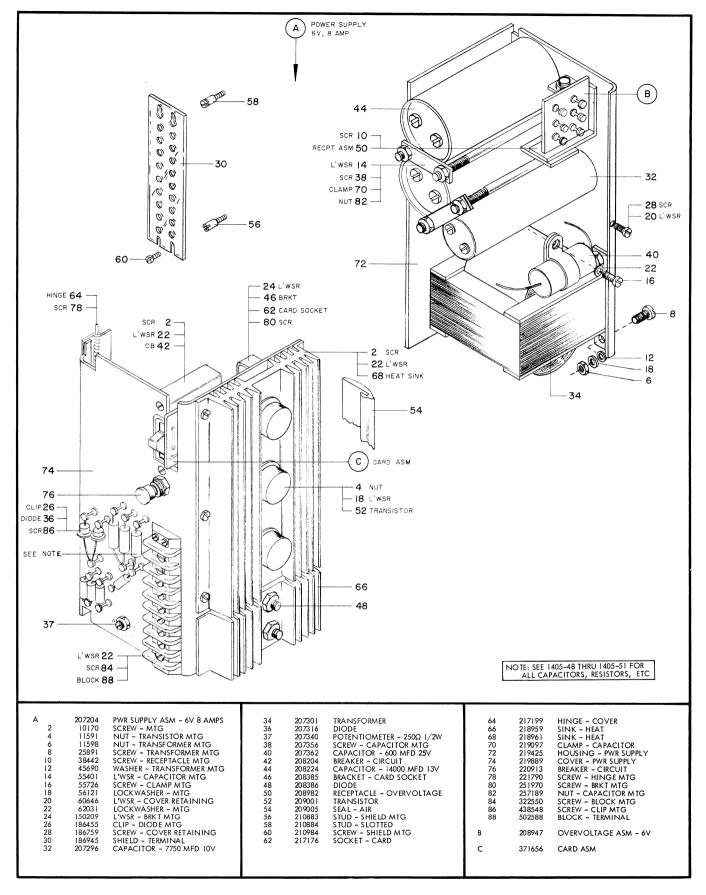


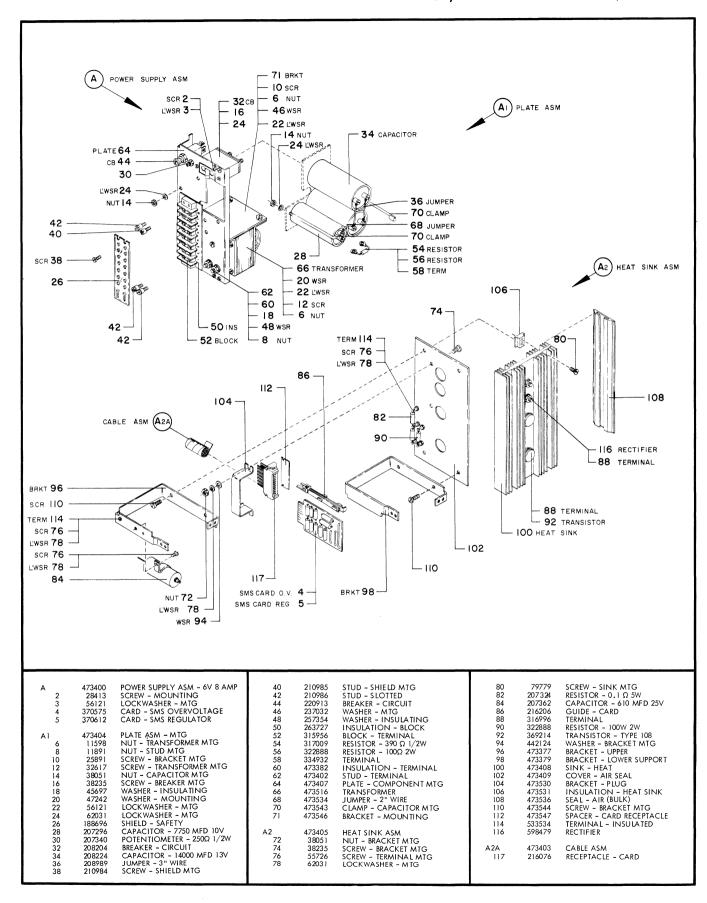
12V, 8 AMP POWER SUPPLY (OLD STYLE)



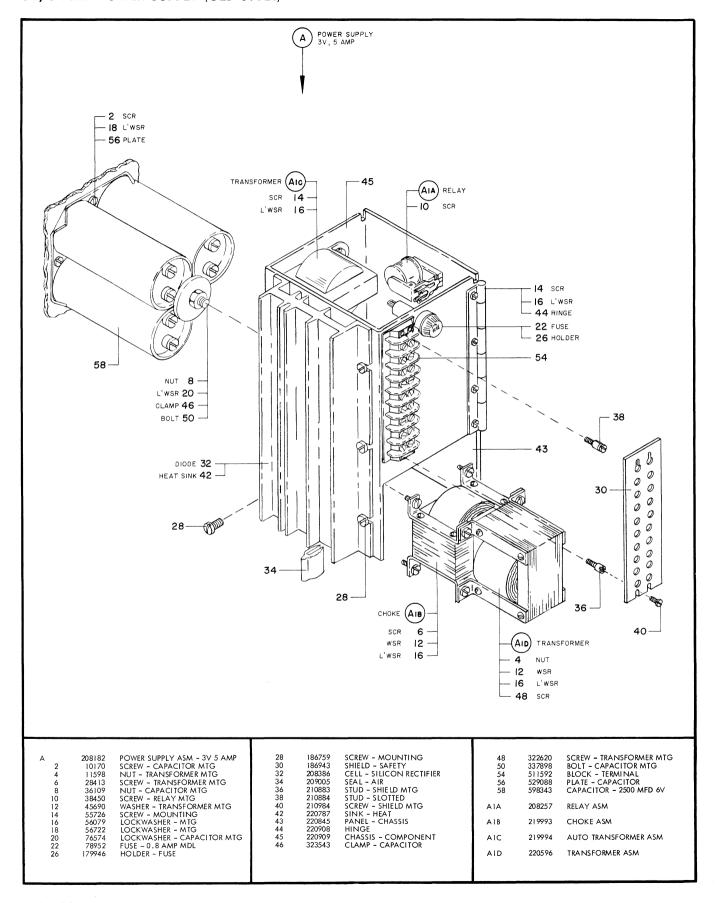


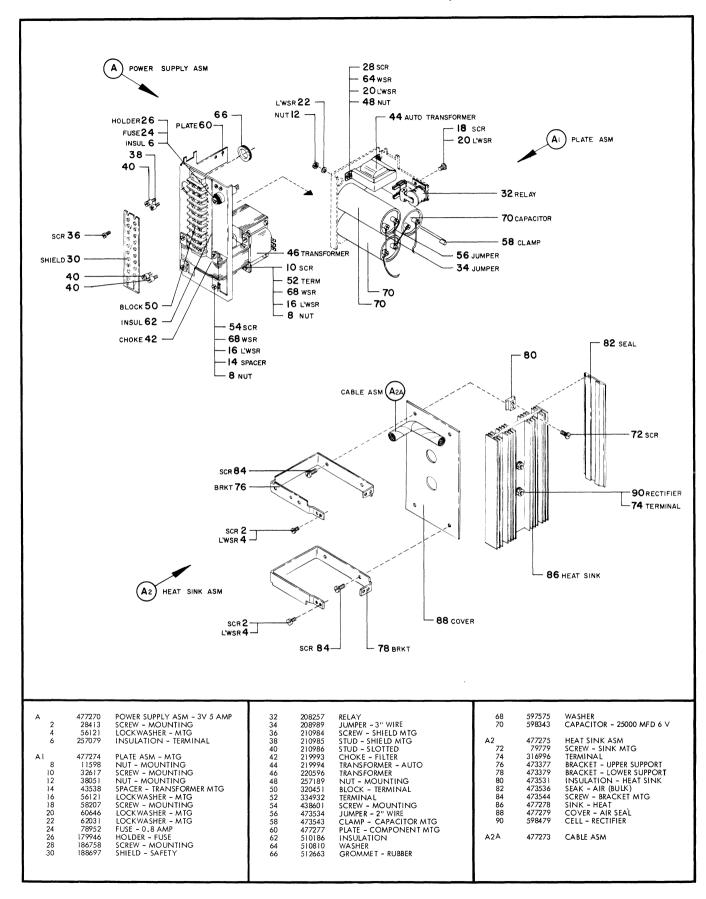
6V, 8 AMP POWER SUPPLY (OLD STYLE)



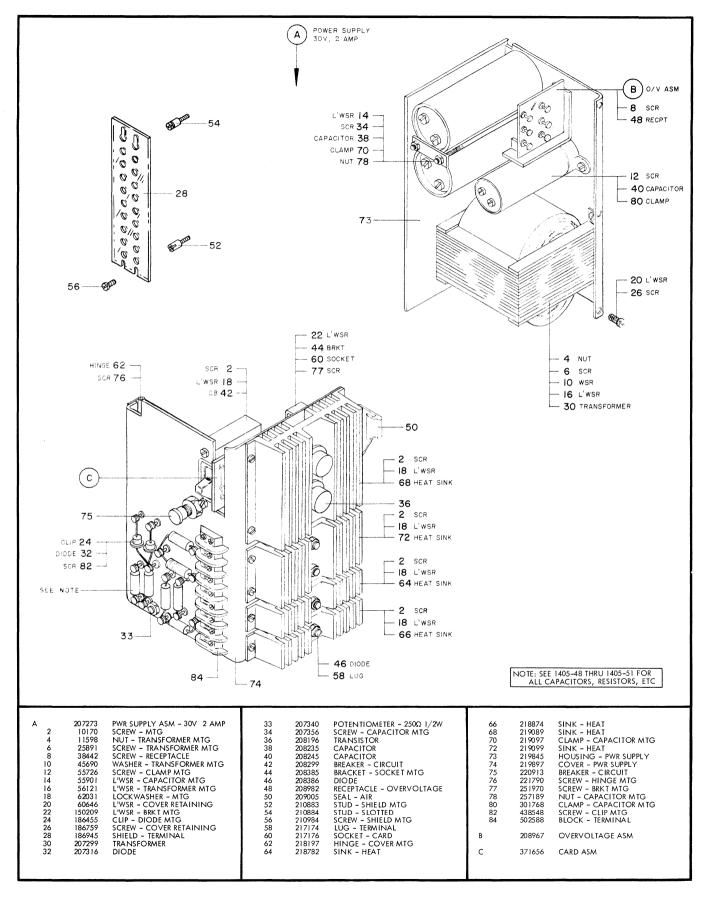


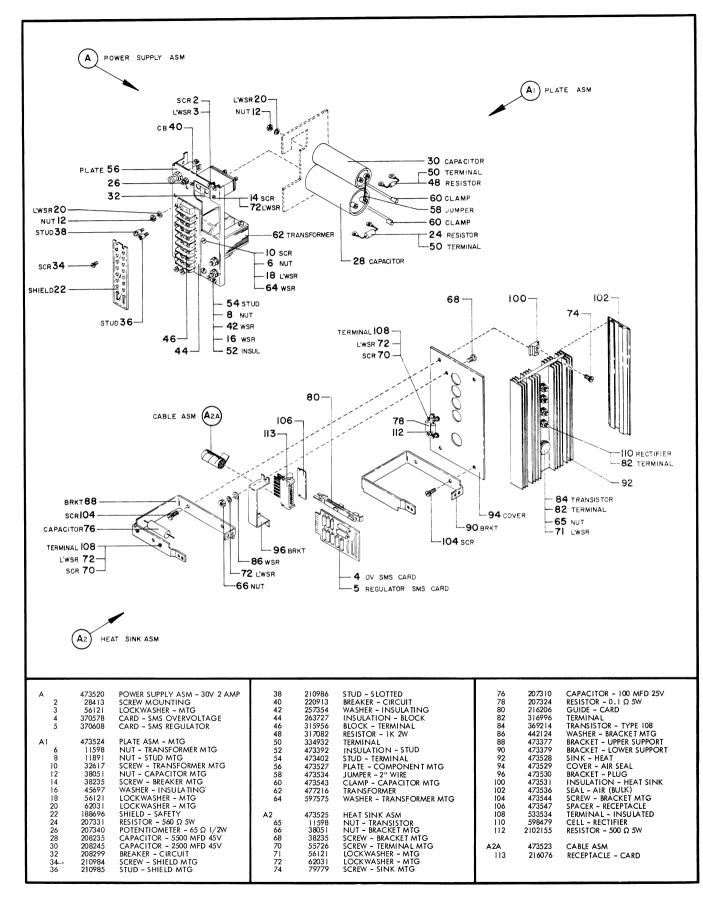
3V, 5 AMP POWER SUPPLY (OLD STYLE)



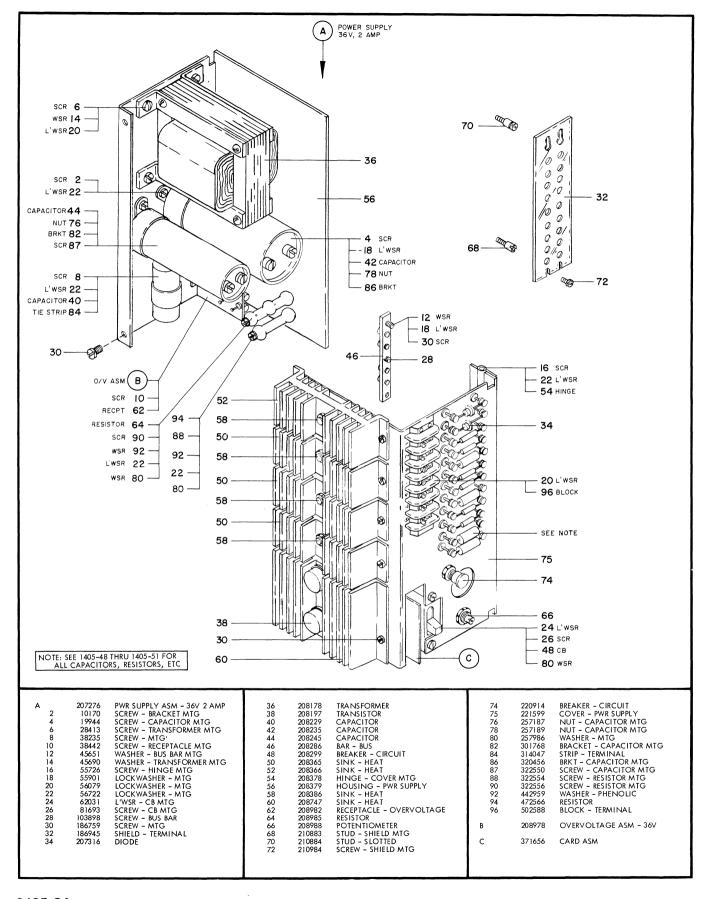


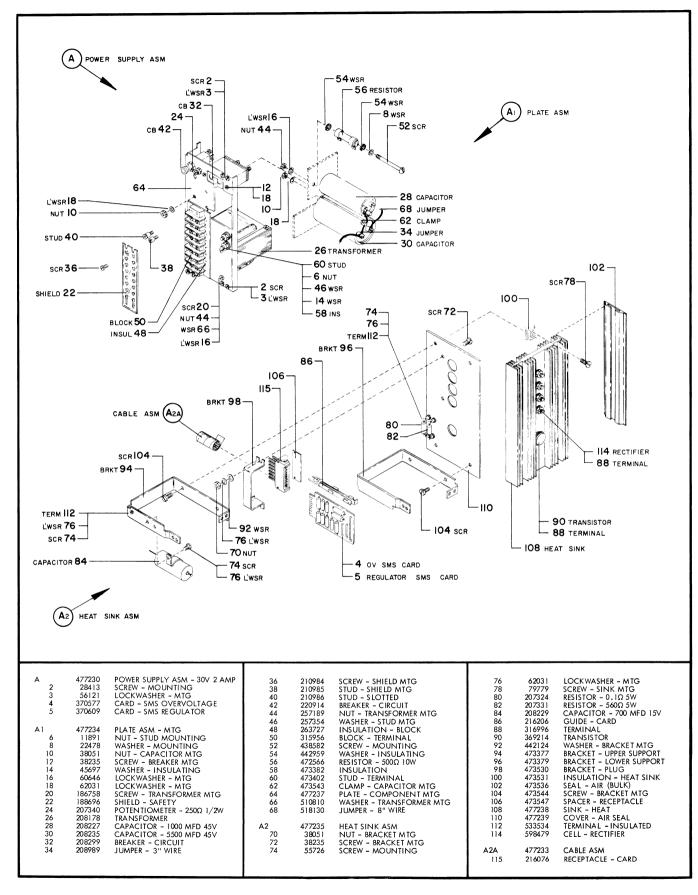
30V, 2 AMP POWER SUPPLY (OLD STYLE)



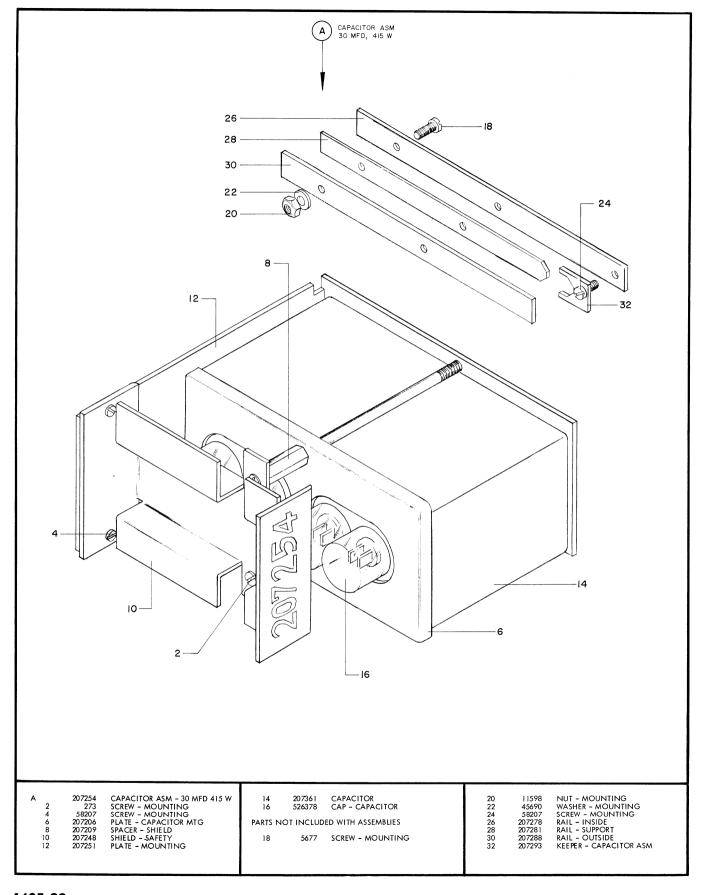


36V, 2 AMP POWER SUPPLY (OLD STYLE)

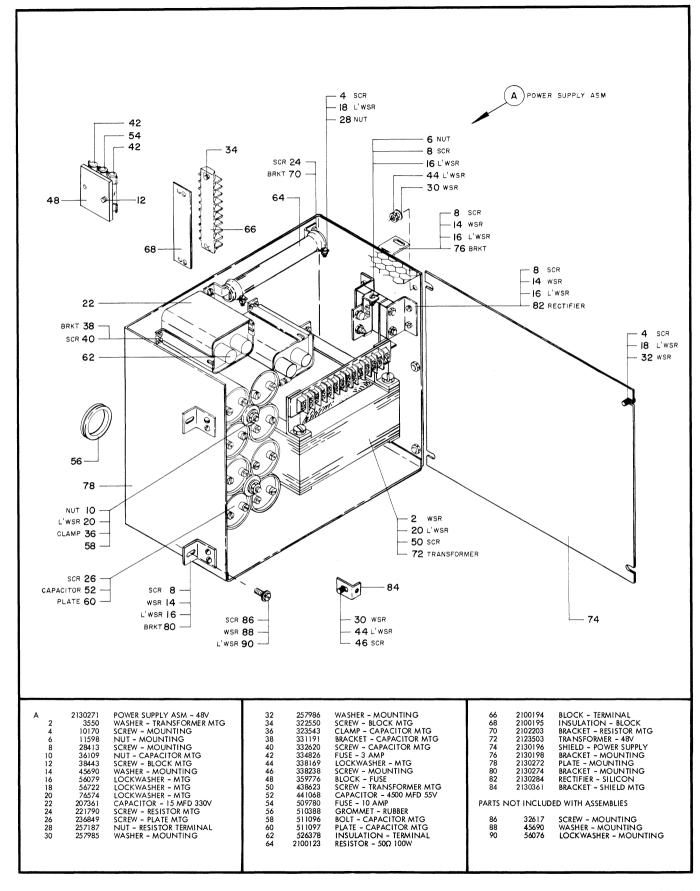




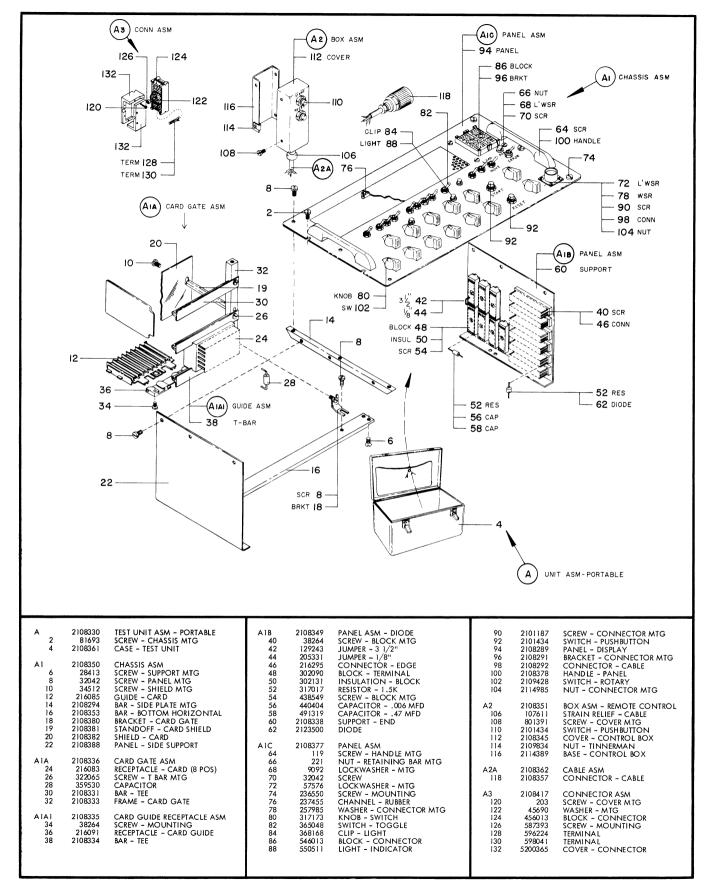
CAPACITOR PACK

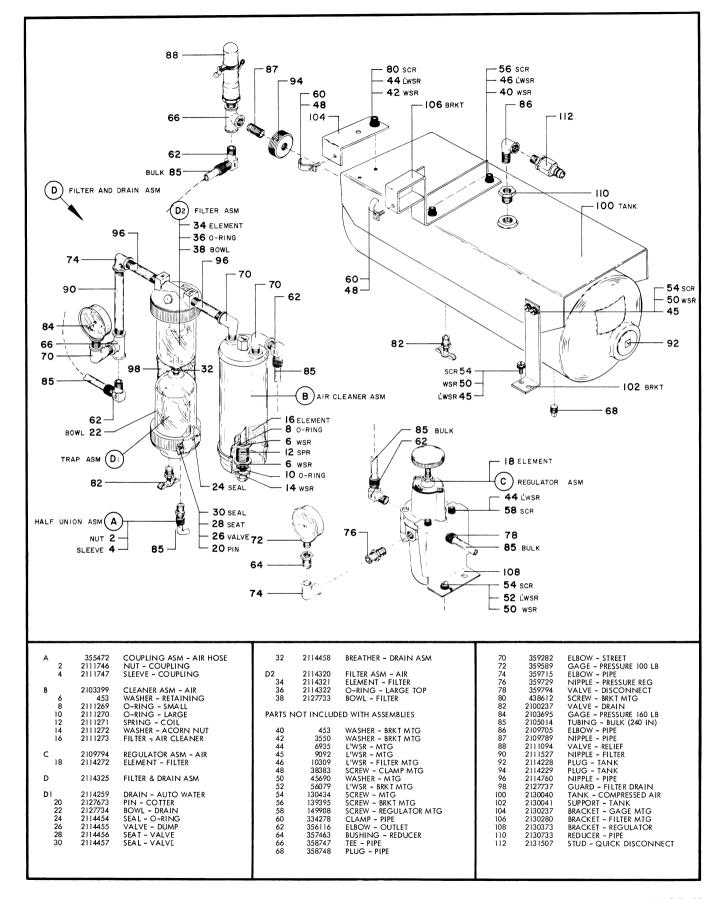


48 VOLT POWER SUPPLY

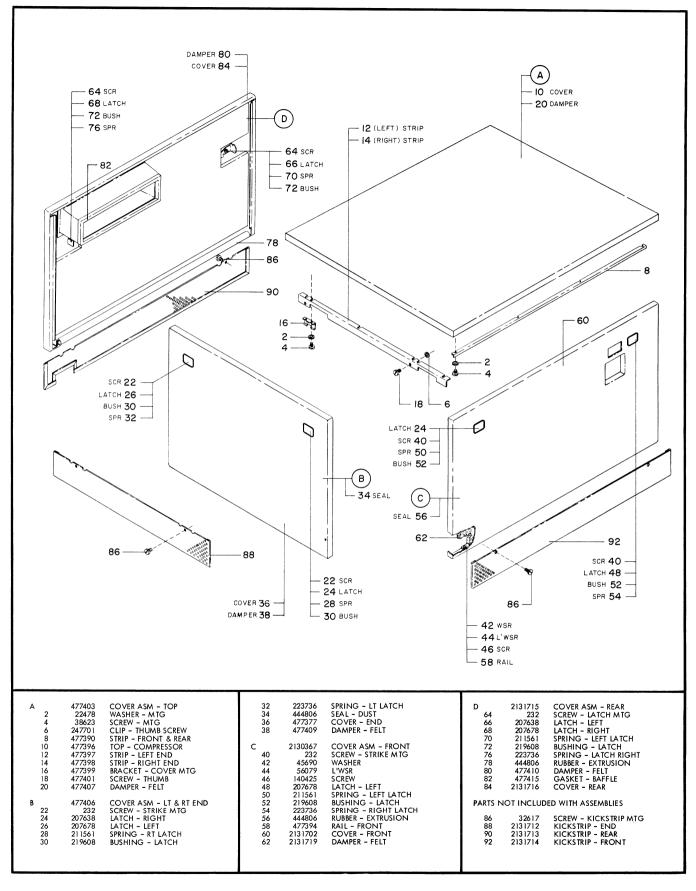


TEST UNIT

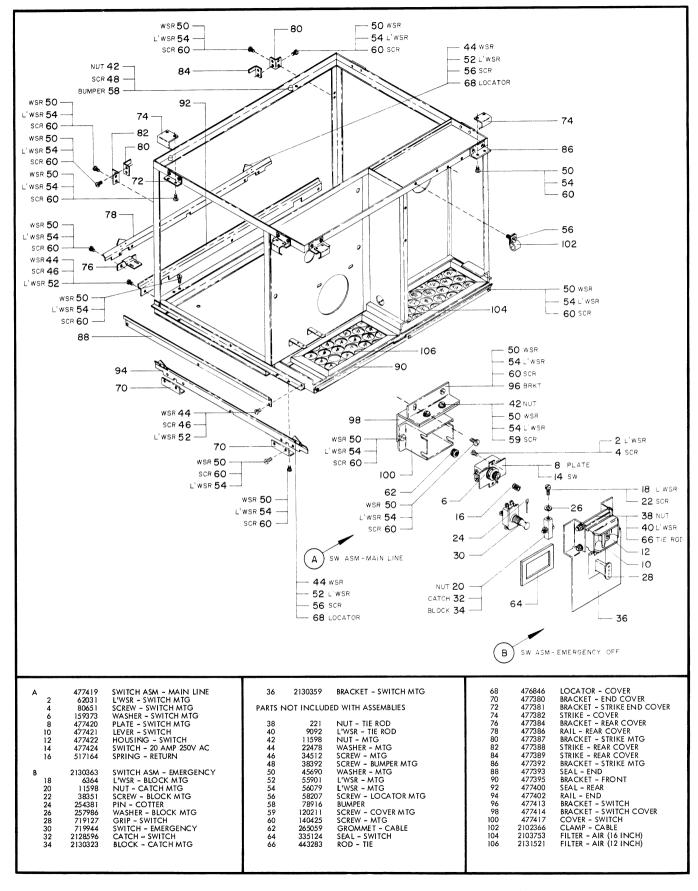




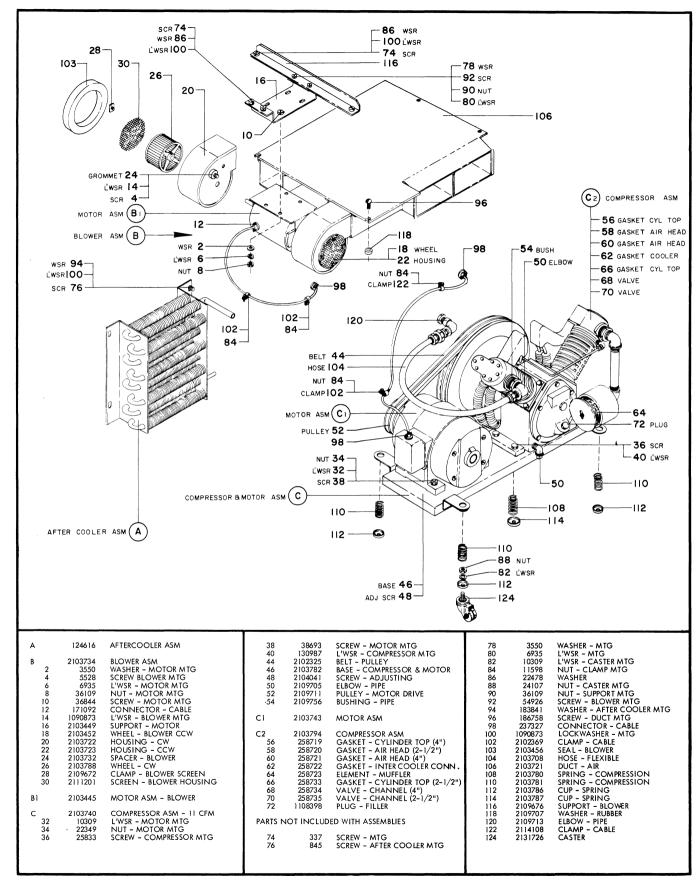
COMPRESSOR COVER VIEW



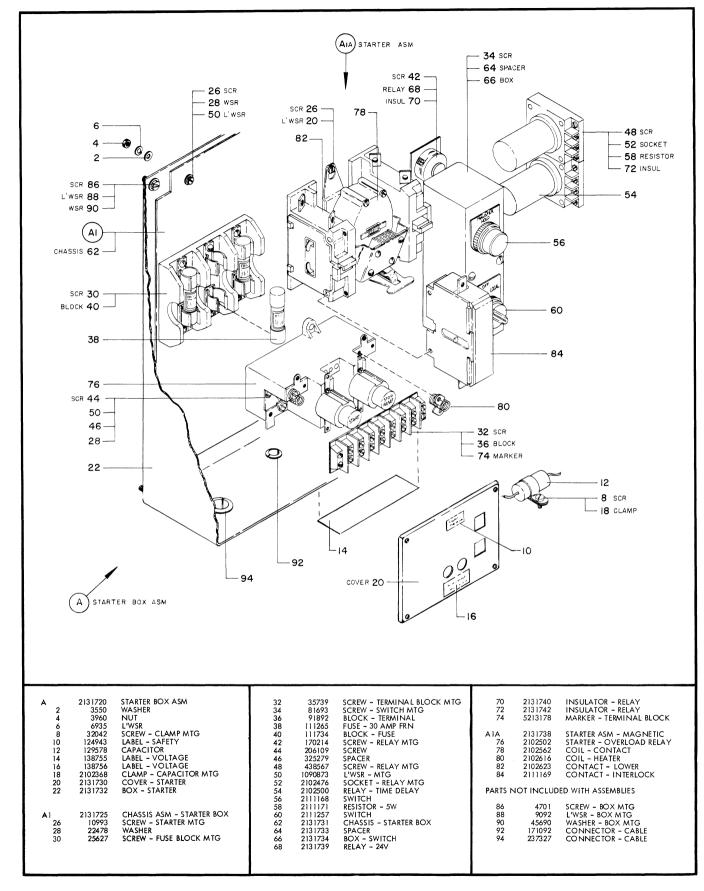
COMPRESSOR FRAME VIEW



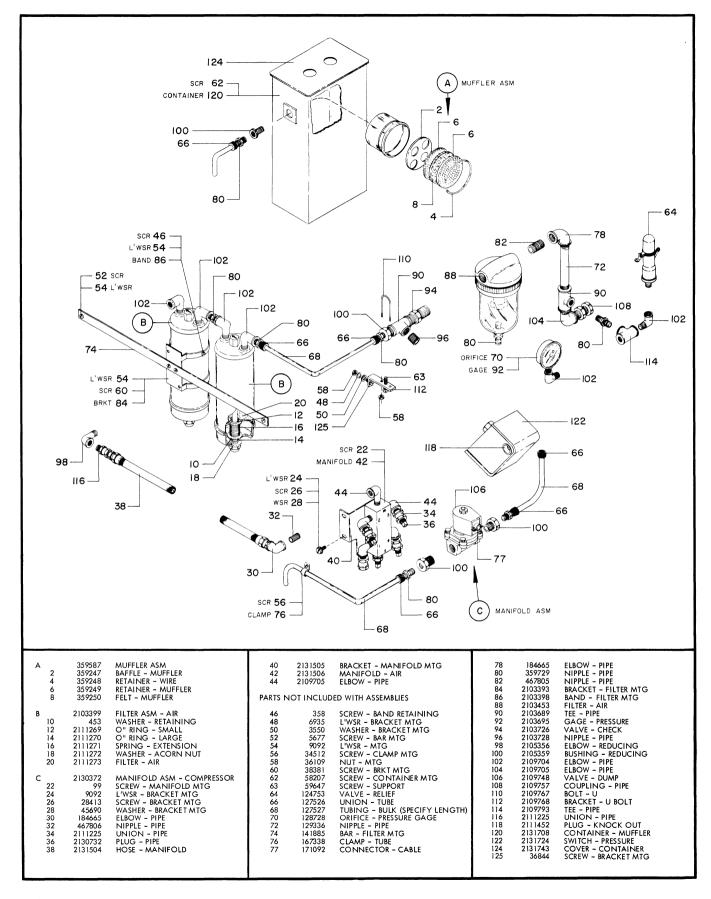
COMPRESSOR AND BLOWER

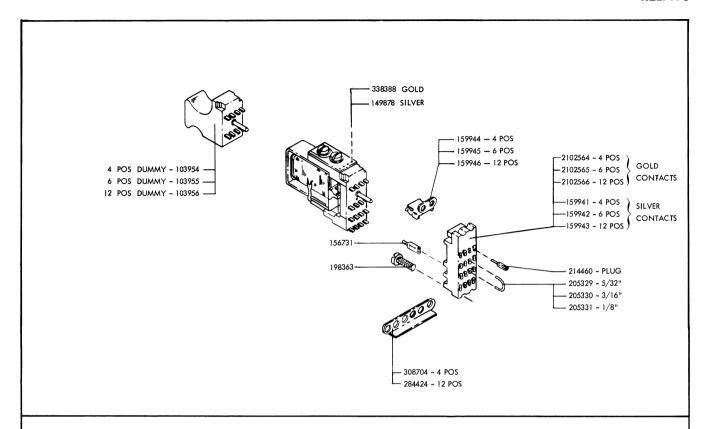


COMPRESSOR STARTER BOX



COMPRESSOR FILTERS





40 VOLT TYPE WIRE CONTACT RELAYS

		NUMBE	R ON COIL	RELAY ASM. PART NUMBER				
OF POS.	TYPE OF COIL	OLD	NEW	ALL SILVER WIRES	HALF SILVER HLF GD	ALL GOLD WIRES		
2	HSP	186693	334536	328273				
	Н	186259	334535					
	P	198881	344540	196206		770000		
	P1 & P2	198884	344543	196207	327218			
	P & HRH	198887	344502	196208		360670		
	HSP							
	HSP	186699	344537	226628				
	н	186259	344535					
4	HSP & H	228881	344549	104753				
	HSP & HRH							
	HSP1	186693	344536	186696				
	HSP2	186699	344555					
	Н	186259	344556					
	HRP	333245	770004	333242				
	Р	198882	344541	196196		770001		
	P1 & P2	198885	344544	196197	327217			
	P & HRH	198888	344547	196198	327216	360675		
6	MSP	257112	770002	257113				
	HSP	107559	770006	107558				
	HSP & HRH	257658	770003	257659				
	HSP & H	107566	344530	107560				
	Р	198883	344542	196186		360680		
	P1 & P2	198886	344545	196187	327215	360679		
	P & HRH	255644	344552	255735	327214	344554		
12	HSP	107557	344529	107556				
	HSP & H	108389	344531	108388				
	HSP & HRH							

LATCH TYPE WIRE CONTACT RELAYS

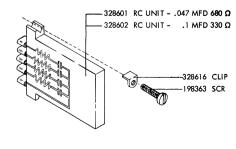
			NUMBER ON COIL						
NO. OF	TYPE OF	LA	TCH	T	/PE	ASM.PT.			
POSITIONS	COIL	OLD	NEW	OLD	NEW	NUMBER			
	P	186708	344539	186707	344538	186685			
4	P1 & P2	186249	344532	186707	344538	186247			
	P - BUCK	186249	344532	186707	344538	239188			
	HRP	333245	770004	186707	344538	333243			
6	Р	186255	344534	186253	344538	186686			

PERMISSIVE MAKE WIRE CONTACT RELAYS

NO. OF POSITIONS	TYPE OF COIL	NUMBER OLD	ON COIL NEW	RELAY ASM PART NO.		
	P & H		344580	344600		
4	P & H		344581	344601		
	P & H		344616	344620		

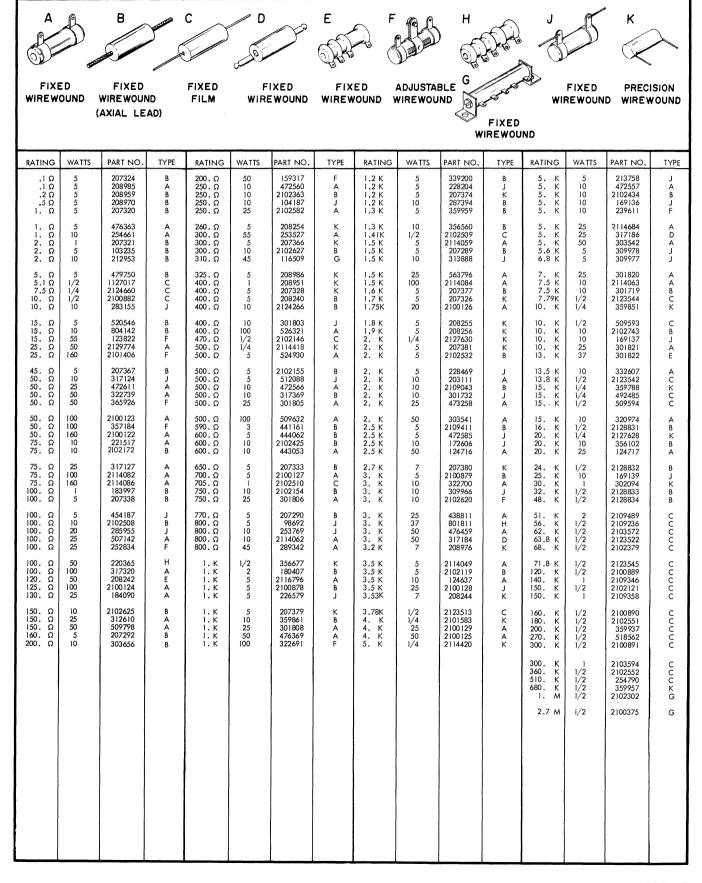
8 VOLT TYPE WIRE CONTACT RELAYS

NO. OF	TYPE OF	NUMBER	ON COIL	RELAY ASM
POSITIONS	COIL	OLD	NEW	PART NO.
4	Р	518129	770005	518128

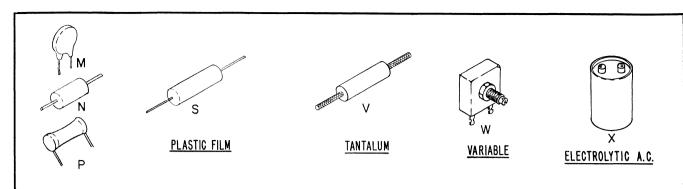


SMS CARDS, DIODES & RESISTORS

				F	IXED	СОМР	OSIT	ION C	ARBON	RESIST	rors				******	
RMA			1/2 W	VATT	-				I WATT					2 WATT		
RESISTANCE FACTOR	MULTIPLIER					MULTIPLIER				MULTIPLIER						
Ω	X1	X10	X100	X1000	X10000	X100000	Χī	X10	X100	X1000	X10000	ΧI	X10	X 100	X1000	X10000
1	803053															
1.5	81685 803055	ļ					355322	,							Ì	
4	803056						333322									
5							360044	1		_						
6							492377									
10	321271	213536	213693	300721	300728	300736	308341	ı		317063	317068	317077	322888	317082	317096	317105
11 12	132395 550052	132422 317004	317001 317276	317027 300722	317033 321178	250840 321195	491314	33501 13278	1	334933 317064	317069 317070		317078	492568 317083	1127060 317097	317106
13	132397	509499	317429	334959	317034	334957	132765	- 1		l .	317071		492448	017000	510597	2102315
15	360046	322729	317017	213547	213539	317042	132766	5 51212	2 317051	317434	317072	356235	317079	317084	317098	322736
16	132398	317005	317018	317274	317035	335972	132767			322752	317073			526336	521 <i>77</i> 5	ļ
18	253528	323918	213714	317028	317036	321272	132768	33498	7 317052	301823	317074		320610	317085	322731	338351
19 20	334949	317006	317019	300723	300729	171885 335360	132769	51240	0 317353	301824	317075		355138		317783	
22	317002	317007	317020	323900	317037	317273	334986	1	ı	1	317047	321269	322911	317086	317099	512666
24	492351	333202	323919	213697	317277	521774	13277	1	1	334972	31 <i>7</i> 076	526330	301881	359514	334963	
27	454389	356740	317021	317362	300730	98851	491278				323902	301801	513799	317087	322332	1
30 33	322742 491223	317008 317428	323920 213692	322820 317029	317038 300731	132431 309951	335486	i	1	338143 317066	132808 502478		334931 317080	317088	317100	502174
36	491223	528937	334923	213760	317039	132466	132772	1	i	l .	123809		317080	320660	2101690	302174
39	491221	317009	317022	300724	300732	356696	132773	1	1		132810	334927	512111	317090	322701	
43	132399	317010	317023	334919	317040	132514	132777	1		1	334946	334900		320658	320663	
47	317003	317011	213549	317030	359956	471680	322777				182746	335329	320655	317091	317272	ļ
51 56	502483 132400	317012 322347	317024 317430	300726 317275	300 <i>7</i> 34 213558	322334 98850	355683 358795	i	1		132812 301834	472580	472579 332585	322704 317092	301829 505290	440536
6 2	360060	317013	334914	214123	213557	132590	132778			1	334952		509638	250841	320656	140500
68	508040	317014	317025	317031	213556	132697	2111679	31704	8 317060	31 <i>7</i> 067	317048	216985	335328	317093	317102	
75	521792	317015	300720	323939	317278	471764	132779		1		132867	526062	322333	326998	301830	
82	31 <i>7</i> 390 334092	317016	317529 317026	300727 317032	300 <i>7</i> 35 31 <i>7</i> 041	132763	132783				132869 503499	322337	317081 502475	317094	317103	
91 100	334092	528486	317026	317032	317041	2102127	132/6	47233	3 317002	334720	503498		302473	317073	317104	301836
160											511551					
180											503497					
220						505370										
680				CAAC	CARD CH	J A D T	<u> </u>				801703	D/NI		DESCRIP	TION	
		1/4 WAT	<u> </u>	Part	Field		Т	Part	Field		DIODE			DESCRIP	IION	
10 24		595359 550050		Number	Part N	lo. Des		Number	Part No.	Desc.	504 124	628	TYPE 1 TYPE AV			
27		595358		370498 370515		AL AM	IN	371262 371263		CGVV CG	358 359		TYPE AB TYPE AC			
30			595357	370523 370538		AM YES		371264 371265	3 <i>7</i> 0976 3 <i>7</i> 0976	CHVW CHVV	359 2106	962	TYPE AD TYPE AL - w	ith leads		
51	550051			370541 370543		CBF CB		371266 371267	370976 370977	CTAN	2106	334	TYPE AL - w TYPE AL - w	ith ctrl pn	terms	ما امسماد
82	550049	<u></u>	<u></u>	370544 370545		CBI YE.		371268 371269	370977 370978	CJWF CKVU	2106	372	TYPE AL – d	ouble−an∞	les commor	
	art	Field		370546 370547		YEI	L	371270	370978 370981	CKWF CQZV	2106 2109	415	TYPE AL - d TYPE AL - w	vithout leac	oaes comm Is	on
1		Part No.	Desc.	370608		OWER SUP	PLY	371271 371272	370981	CQZT	2111 2106	232 772	TYPE AM - \ TYPE AM - \		shoulder a	nd leads
	0089 0139		CEF CEH	370609 370610	SMS P	OWER SUP	PLY	371273 371274	370981 370980	CQ CRZV	438 124	852 628	TYPE AP TYPE AV			
370	0141 0142		3JMX 4JMX	370612 370616		R SUPPLY R SUPPLY		371275 371276	370980 370980	CRZT CR	2123 326	500	TYPE BX TYPE E			
370	0143 0144		CEK 2JMX	370617 370638		AM	IM	371302 371365	370928	DDZU PP	252 252	696	TYPE F - wi TYPE F - wi			
37	0145		CED YAX	370670 370671		ARI	D	371370 371501		PQ GJ	252	697	TYPE G	ooi ieads		
37	0416 0431		AGE	370673	27007	ARI	U	371518		CU	314 802	175	TYPE IN 65 TYPE IN 91			
37	0433 0435		AGD AGF	371071 371072	37097 37097	8 CK	VC	371521 371528		GR GR	333 337	699	TYPE IN 92 TYPE IN 93			
	0436 0438		AGG AGN	371073 371074	3 <i>7</i> 097 3 <i>7</i> 097	9 CL	VS	371531 371533		GV GK	286 288		TYPE IN 34 TYPE IN 48			
37	0454 0455		AGX AMC	371075 371077	37097	3 CT	VR ∕B	371534 371542		CW CY	242	090	TYPE IN 448			
37	0456		AGY AGJ	371079 371089	1	JM	VB	371546 371576	370982	KA JF∨P	440 334	605	TYPE J TYPE M	_		
37	0458		AGL	371200	37090	4 AM	\ZZ	371577 371587	370982 370985	JFVN JJVP	333	264	TYPE P			
37	0459 0464		AGM AMA	371203 371209	37090 37090	5 AN	IZZ	371588	370985 370985	N/LL	210 360		TYPE PS TYPE AA			
37	0465 0466		AME AMD	371251 371252	37097 37097	'6 CH	ww	371591 371592		NB NC						
37	70467 70488		AGZ AGV	371253 371254	37097 37097	'8 CK	wv wv	371656 371676	SMS POWE	NV						
37	70489 70490		AGW AGU	371255 371256	37097		١ ١	371924 371944		DAB CEA						
37	70491 70492		AMJ AMP	371259 371260		CP'	WT	371946 2130384	CARD-MFF	AED RC WET RELA	NY					
37	70492		AMH	371261	1		VW		ITILI							

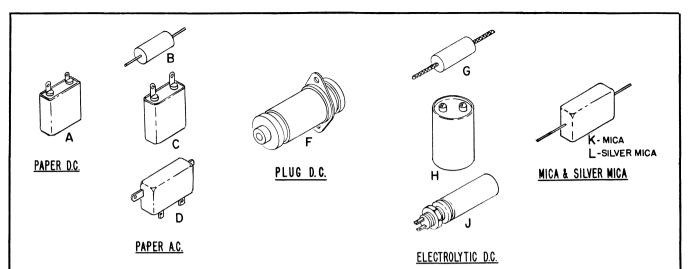


CAPACITORS



C	F	R	A	M	١	c
•		٠,	"	1.1	1	v

MFD RATING	VOLTAGE	PART NO.	TYPE	TOLERANCE	DIMENSIONS	MFD RATING	VOLTAGE	PART NO.	TYPE	TOLERANCE	DIMENSIONS
.0033 .0047 .0047 .001 .001	100 600 100 600 600	217066 347012 491261 347000 234967	S B S B B	10 5 10 5 10	.413 x .031 1.062 x .375 1.062 x .375 .750 x .295	10 10 12 15 15	660 660 660 330 440	443031 303531 2114083 207361 2109091	A A X A	6 6	4.125 x 3.687 4.750 x 5.000 5.187 x 4.562 3.625 x 2.937 6.312 x 3.000
.001 .010 .033 .039 .047	100 100 100 600 400	492441 492411 491263 440406 512510	S S S B B	5 5 10 10 5	.450 x .200 .750 x .219 1.625 x .625 .812 x .438	20 20 20 22 22 25	100 250 350 15 150	252635 2102523 2102262 124591 358864	H G G > G	85-20 150-10 10 150-10	4.625 x 3.875 2.187 x .750 2.000 x 1.000 .629 x .206 1.625 x .812
.047 .047 .082 .01 .02	600 400 600 600 1600	347029 477972 440407 169103 305252	B S B B	20 10 10 —	1.562 x .562 .969 x .389 2.000 x .750 1.500 x .500 1.000 x .562	25 33 35 40 40	330 20 6 200 400	442688 492473 207368 2102381 2109487	X Y G G G	3 20 100-10 85-20 85-20	5.500 × 2.937 .800 × .325 1.625 × .937 2.125 × 1.125
.05 .05 .05 .22	400 1000 2000 35 400	262163 284109 302057 124575 2109830	B B V B	5 — 10 10	.875 x .562 2.125 x .562 2.625 x .812 .441 x .156 1.219 x .641	50 50 50 80 100	70 300 450 150 25	2102177 358828 335492 438941 207310	9999	150-10 150-10 20 250-10 100-10	1.187 x .875 2.000 x 1.000 3.250 x .937 2.312 x 1.062
.22 .25 .25 .25 .25	600 1000 400 600 600	347039 302059 322821 2102176 302058	B C B B	10 10 40-20	2.312 x .875 1.375 x 1.312 1.562 x .462 1.438 x .750 1.000 x 1.750	100 100 100 125 160	50 200 450 400 250	2114057 184088 255911 302065 303630	B H J J	100-10 150-10 — —	1.750 x .688 3.750 x 2.062 4.875 x 2.062 5.875 x 1.375 4.375 x 1.375
.25 .25 .33 .47 .47	200 2000 400 200 400	317398 302060 2102216 513567 477974	F C B S S	10 10 10 10	2. 250 x .750 2. 250 x 1. 812 1. 656 x .733 1. 340 x .562 1. 719 x .733	200 200 250 250 350	200 300 50 350 30	167726 320458 2109462 322467 208236	H H G H G	150-10 100-10	4.000 x 1.437 1.812 x 1.125 4.500 x 2.078 2.625 x 1.125
.47 .1 .1 .1 .5	600 400 600 400 200	347044 2102394 2102166 127109 437253	B B C B	10 10 10 10 30-20	2.938 x 1.062 1.188 x .500 1.938 x .750 1.875 x 2.187 1.125 x .469	500 500 600 700 800	200 310 25 15 150	2102147 515387 207362 208229 303530	H H G G H	150-10 150-10 100-10 100-10 100-10	4.500 × 2.062 4.500 × 2.062 2.625 × 1.125 4.375 × 2.062
.5 .5 .5 1.	400 600 600 200 400	317341 2102175 302061 2102531 338223	B B D B	10 40-20 — 20-20 20-10	1.500 x .625 1.812 x .875 1.000 x 1.812 1.875 x .625 2.500 x 1.062	1000 1000 1000 1250 1500	50 150 200 180 100	226417 287358 240130 515386 254835	H H H	150-10 100-10 150-10	3.750 × 2.062 4.375 × 2.062 4.500 × 2.625 4.500 × 2.062 4.500 × 2.062
1. 1. 2. 2. 2.	400 600 200 400 400	2102459 253900 253827 2102174 148012	B B B	20 30-20 30-20 30-20 10	2.219 x .829 2.125 x .719 1.625 x .625 2.438 x 1.125 1.875 x 2.125	2000 2000 2500 2500 2500	50 60 45 70 80	252545 184954 208245 218704 515385	H H H H	10 100-10 100-10	4.375 x 1.812 4.500 x 3.500 4.500 x 1.437 4.625 x 2.562 4.500 x 2.062
2. 4. 4. 4.	660 600 250 450 440	302063 303529 2103479 206592 501543	O O O O X >	150-10 	2.000 x 2.000 3.500 x 2.500 1.125 x .687 1.500 x .625 2.281 x 2.875	3500 4000 4500 5000 5500	55 55 60 55 19	501546 2128510 441068 208222 208228	* + + + + + + + + + + + + + + + + + + +	100-10 100-10 — 100-10	4.500 × 2.062 4.562 × 2.000
4.7 5. 5.6 6. 6.8 8.	35 300 35 660 20 660	124586 129638 133861 254711 124587 2114081	V C V A V A	10 10 10 10 10	2.125 × 2.187 .450 × .206 5.187 × 2.843 .450 × .206 4.750 × 3.750	5500 7000 7750 8000 11000	45 13 10 55 19	208235 208230 207296 328589 208221	H H H H	100-10 100-10 100-10	4.500 × 2.062 4.500 × 2.062
8. 10. 10. 10. 10.	150 20 50 400 450	213535 124588 169108 302064 2109145	G > G C G	250-10 10 150-10	1.187 x .687 .629 x .206 1.062 x .625 4.750 x 2.500 1.750 x .812	12000 13500 14000 19000 25000 35000	55 15 13 8 6 4	602746 601545 208224 360291 598343 2124254	H H H H	100-10 100-10 150-10 150-10 150-10 100-10	4.500 x 3.062 4.562 x 2.062 4.500 x 2.062 4.562 x 2.093



MMFD RATING	VOLTAGE	PART NO.	TYPE	TOLERANCE	DIMENSIONS	MMFD RATING	VOLTAGE	PART NO.	TYPE	TOLERANCE	DIMENSIONS
5 10 10 12 15	500 500 500 500 500	2109800 2109117 300710 2109801 2109802	K K K K	5 5 5 5 5	.546 × .312 .546 × .312 .562 × .250 .546 × .312 .546 × .312	510 560 560 560 620	500 300 500 500 300	2109856 2109857 2102299 2102686 2109858	K K K K	5 5 1 10 5	.796 x .468 .796 x .468 .796 x .468 .562 x .250 .796 x .468
15 18 20 20 22	500 500 500 500 500	355548 2109803 2109868 334938 355527	N K K L K	10 5 5 5 5	.562 x .250 .546 x .312 1.109 x .468 .500 x .281 .546 x .312	620 680 680 680 680	500 300 500 300 500	2111026 2109859 2111027 2114555 360037	K K K	5 5 5 1 10	1.109 x .468 .796 x .468 1.109 x .468 .796 x .468 .562 x .250
24 25 27 27 30	500 500 500 500 500	358768 300711 2109805 355467 2109806	K	5 5 5 10 5	.546 x .312 .562 x .250 .546 x .312 .562 x .250 .546 x .312	750 750 750 820 820	300 500 300 300 500	2109860 2111028 2114556 2109861 2111029	K K L K	5 5 1 5 5	.796 x .468 1.109 x .468 .796 x .468 .796 x .468 1.109 x .468
30 33 33 36 39	500 500 500 500 500	355652 2109807 2102377 356734 2114941	2 K Z K L	10 5 10 5 2	.562 x .250 .546 x .312 .562 x .250 .546 x .312 .546 x .312	910 910 1000 1000 1000	300 500 300 500 500	2109862 2111030 2109863 2102333 355493	K K K M	5 5 5 5 20	.796 x .468 1.109 x .468 .796 x .468 .546 x .546 .594 x .156
40 43 47 47 47	500 500 500 500 500	300712 2109808 2109809 2117411 2102378	X K K X	5 5 5 10 10	.562 x .250 .546 x .312 .546 x .312 .312 x .187 .562 x .250	1000 1000 1000 1100 1100	500 350 500 300 500	356069 300715 309971 2111033 2111065	N N P K K	10 10 10 5 5	.812 x .250 .812 x .250 .500 x .250 1.109 x .468 .828 x .828
51 56 62 68 68	500 500 600 500 500	359973 2109810 359919 358872 2102376	K K Z K Z	5 5 5 5	.546 x .312 .546 x .312 .562 x .250 .546 x .312 .562 x .250	1200 1200 1300 1300 1500	300 500 300 500 300	2111034 2111066 2111035 2111067 2111036	K K K K	5 5 5 5 5	1.109 x .468 .828 x .828 1.109 x .828 .828 x .828 1.109 x .468
75 80 82 91 100	500 500 500 500 500	2109811 300713 355624 2109812 322804	K Z Z K K	5 5 10 5 5	.546 x .312 .812 x .250 .562 x .250 .546 x .312 .546 x .312	1500 1500 1600 1800 2000	500 500 500 500 500	2111068 335139 2111037 2111038 472533	K M K K	5 20 5 5 5	.828 × .828 .281 × ———————————————————————————————————
100 110 120 130 150	500 500 500 500 500	300714 358729 2109813 2102301 335007	N K K L	5 5 5 5 5	.562 x .250 .546 x .312 .546 x .312 .546 x .312 .500 x .281	2000 2200 2400 2700 3000	500 500 500 500 500	359530 2111040 2111041 2111042 2111043	M K K K	5 5 5 5	.375 x .126 1.109 x .468 1.109 x .468 1.109 x .468 1.109 x .468
160 180 200 200 240	500 500 500 500 500	2109814 2109815 2109816 2102017 358722	K K P K	5 5 5 5 5	.546 x .312 .546 x .312 .546 x .312 .937 x .312 .546 x .312	3300 3600 4300 4700 5000	500 500 500 600 500	2111044 2111045 2111047 264886 2102173	K K B M	5 5 5 20	1.109 x .468 1.109 x .468 1.109 x .468 1.062 x .375 .438 x .156
250 300 300 330 330	500 300 500 300 500	2102136 2109817 2109852 2109818 2102298	K K K K	5 5 5 5	.546 x .312 .546 x .312 .796 x .468 .546 x .312 .546 x .312	5100 5600 6800 7500 8200	500 500 300 300 300	2111049 2111050 2111080 2111081 2111082	K K K K	5 5 5 5 5	1.109 x .468 1.109 x .468 .828 x .828 .828 x .828 .828 x .828
330 360 360 360 390	500 300 500 500 500	2102423 2102074 2109583 2114554 2102300	N K K L K	20 5 5 1 1	.562 x .250 .546 x .312 .796 x .468 .546 x .312 .546 x .312	9100 10000 10000 10000 10000	300 250 300 500 450	2111083 302056 2111084 2111056 357993	K K K M	5 20 5 5 100-0	.828 x .828 .828 x .828 1.109 x .468 .531 x .156
430 470 470 500 510	300 500 300 500 300	2102073 2102387 97843 2111032 2109819	K K L K	5 5 5 5	.546 x .312 .796 x .468 .796 x .468 1.109 x .468 .546 x .312	10000 20000	500 450	338127 359775	M	80-20 100-0	.594 x .188 .594 x .188